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ASTERS

AMERICAN BEAUTY

Asters will thrive in any good soil, particularly in vegetables, but it is well to remember that repaid by finer plants, larger blooms will have an open, sunny position and preference of bone meal or other good commerce slacked lime, and should not be

AN JOAQUIN COUNTY, CALIFORNIA

KNOX SEED CO.
 COMPLETE CATALOG

 STOCKTON STORE:
 509 E. WEBER AVE.

 MODESTO STORE.
 810 TENTH ST.

Complete Stock of Selected Quality Flower, Vegetable and Field Seeds



INTERIOR OF OUR SALESROOM at 509 East Weber Avenue

We take great pride in presenting to you our new catalog. Many new varieties of seeds have been added to our large stock, enabling you to select your garden needs from the most complete and dependable stock in San Joaquin County.

Here, too, are all kinds of Spray Materials, Sprayers, Fertilizers, Garden Tools, Poultry Supplies, Pet Supplies and numerous other needs. We cordially invite you and your friends to visit our store at your convenience.

KNOX'S "NEW NOVELTY" FLOWER SEEDS

"DOUBLE SCARLET GLEAM" NASTURTIUM

(New) The flowers are a fiery orange scarlet, a color comparable to the brilliance of Scarlet Sage, or seeing a row of the plants one might visualize a showy border of scarlet Geraniums. The individual blooms are of an immense size, almost three inches across, much larger than any Nasturtium ever known. The sweet fragrance is more pronounced, and the double flowers more uniformly well formed. The foliage is the same lush green characteristic of Golden Gleam, and the contrast of the large, double, fiery orange scarlet flowers above their cool, restful green leaves attracts and holds the eye at once, while the ease with which they can be grown under almost any conditions will make Scarlet Gleam the most popular all-around annual. The plants are semi-dwarf, throwing short runners from a well-rounded, free-flowering bushes. Stems are long, and bear the flowers well above the foliage of the plant. In the garden or for cutting no flower could be more lovely. Packet, 15c.

"DOUBLE GLEAM HYBRIDS" NASTURTIUM

(New) The Hybrids are a collection of gorgeously colored, large, well-formed flowers of such dazzling beauty that the mind hesitates to credit the evidence of the eyes. Colors certainly never dreamed of before in a double nasturtium abound in profusion—glorious flowers of salmon, golden yellow, orange scarlet, cerise, cream yellow, orange, crimson, and gold flushed scarlet combine with the foliage of fresh green. They thrive under almost any cultural conditions, and this factor, combined with the brilliancy of their colors, assures Gleam Hybrids of a universal popularity.

The plants are semi-dwarf, throwing short runners from well-rounded, free-flowering bushes. Stems are long, and bear the flowers well above the foliage of the plant. In the garden or for cutting no flower could be more lovely. Packet, 15c.

"DOUBLE GOLDEN GLEAM" NASTURTIUM

Golden Gleam is maintaining its position as the best known and most popular novelty of the past two seasons, becoming even more popular as time goes on. The large, double sweet-scented golden yellow flowers on long stems are borne profusely well above the bright green foliage of the neat semi-dwarf plants. Ideal for any garden use. Pkt., 10c; 1 oz., 50c.

COSMOS KLONDYKE ORANGE FLARE

Now at last we may grow the lovely orange-colored Cosmos and be assured of having flowers before frost. Orange Flare is a strain which is in full bloom less than five months from sowing. The color is the same vivid orange of the ordinary klondyke, with attractive light green foliage. Packet, 10c.

Calendula Pastel Bedding Mixture

(New) Designed especially for the home garden, this mixture contains a balanced combination of the lighter shades of Calendulas in the dwarfed growing types. Many new shades of apricot, cream and white are included, as well as the better known orange and lemon. There is also a novel assortment of flower types. Especially adapted for border use, the stems are long enough to use the flowers for cutting as well. Packet, 10c.

RUST-PROOF ANTIRRHINUMS (SNAPDRAGONS)

MAXIMUM CRIMSON—Rust-proof Crimson has what is known as coccinea foliage and the stem is a dark plum color. The combination of fiery crimson flowers, dark green foliage and dark plum-colored stems makes a blend of color shades most particularly attractive and more so on account of the clean, healthy foliage, free from rust. Height, 2 1/2 to 3 feet. Packet, 25c.

NEW DEAL YELLOW—This gorgeous new yellow is somewhat similar to the old susceptible variety Canary Bird. The plants are larger and more productive, sending up a great array of glorious golden yellow spikes. Pkt., 25c.

NEW DEAL PINK—This strain is somewhat like the old susceptible Apple Blossom except that the pink is considerably deeper and doesn't fade so readily. Also a very large and productive strain. It has been considered by many who have seen it one of the finest. Packet, 25c.

CALIFORNIA MIXTURE—Containing a good mixture. Packet, 25c.

CALENDULA CHRYSANTHA

Chrysanth is distinct in type, a new break in Calendulas which is outstanding among all varieties known up to the present time. The large double flowers are an exquisite shade of clear buttercup yellow, with long, loosely arranged petals which droop somewhat to give the rounded appearance of a Chrysanthemum. Besides adding a bright golden splash of color to the garden, Chrysanth is remarkable for its long, stiff stems, making it ideal for cutting. Packet, 15c.

HUNNEMANNIA SUNLITE

(New) Sunlite is a double flowered poppy which is different. Its extra band of petals is produced on the outside instead of the inside of the tulip-shaped flowers, making them appear open at all times. The flowers are a bright canary yellow on a bush of light gray green, and they like a sunny position in a well-drained border. Packet, 15c.

IPOMEA DOUBLE ROSE MARIE

Since Rose Marie was introduced two years ago it has enjoyed a steadily increasing popularity, as it has become better known. It is an early, free flowering, clear deep rose double flowered Ipomea which makes a quick growth well covered with flowers. As the flowers are double, they give the appearance of being open even after the other Ipomeas in the garden have closed for the day. Pkt., 10c.

Early Flowering Sweet Pea Novelties for 1935

EARLY MEMORY—Early Memory is the result of a cross between Early Sweet Lavender and the strong growing Late Spence Pinkie. Early Memory is a clear, rosy lavender which does not lighten in color with age or when grown under glass. The color is just perfect for blending with pink shades. The vines are very vigorous and bear a heavy and continuous crop of large blossoms borne on long stout stems. Packet, 15c.

EARLY MONTEREY—Early Monterey is an unusually large flower with the perfect contour so much sought after by Sweet Pea enthusiasts. The color is a glowing clear geranium pink flushed salmon. The color is deeper towards the white base and standard and wings are alike in color. Vigorous growing variety, producing flowers on very long, stout stems. Packet, 15c.

EARLY SUCCESS—Early Success is deeper in shade than any other Rose Pink and is a very strong grower. Four flowers are common on fine, long, stout stems. The vines are very productive and give long, continuous crop of wonderful flowers. The color is a lively, bright, sparkling rose pink on white ground. Standard and wings are alike in color. Packet, 15c.

ASTER "SUPER GIANT LOS ANGELES"

This is the largest and most fully double Aster known. The flowers are from six to eight inches across, full petaled and artistically graceful in the feathery effect of the interlocking ostrich feather type petals. The color is a lovely soft shell pink, blending to a creamy pink at the center. The plants reach a height of 2½ to 3 ft., with 6 to 8 long, non-lateral stems per plant. Packet, 15c.

ANNUAL CANTERBURY BELLS MIXED

This variety blooms from seed in less than six months. The plant grows from two to two and a half feet tall, each plant having from six to eight spikes of blossoms. Seed planted in February blooms in July. Packet, 10c.

LARKSPUR "STOCK FLOWERED ROSAMOND"

There are three points on which Rosamond is outstanding. The color is new and distinct, a pure bright rose which has been entirely lacking in larkspurs up to this time. It is somewhat deeper than the old variety Bright Blue, which fades so badly, while this one has that rare quality of holding the pure rose color until out of flower. It is two weeks earlier than other Stock Flowered varieties, giving a good cut before the other Larkspurs are available. It is exceptional in height, 4 feet tall, with numerous good spikes heavily covered with the fully double flowers. Packet, 15c.

LATE FLOWERING SWEET PEA NOVELTIES FOR 1935.

SENTINEL—The color is a glowing deep Salmon Cerise on cream, full of life and sparkle. It is a very vigorous grower, the flowers are perfectly placed on long, stout stems. Wings and standard alike in color. The standard is bold, broad and nicely waved. Packet, 25c.

YANITY—The color is glowing deep geranium pink flushed with salmon on a light cream ground. The standard and wings are alike in color and even the keel is nicely colored, giving the whole flower a wonderful "self" flowers, usually four to each long, stout stem. The flowers are nicely waved or frilled, and many are duplex. In spite of the brilliance of color, it does not burn in the brightest sun. Packet, 25c.

PINNACLE—A distinct and most outstanding novelty. It is a true deep Rose Pink with standard and wings alike in color. The Rose Pink sparkles with life and is on a white ground. Pinnacle is deeper than any Rose Pink Sweet Pea yet introduced. The vines are exceptionally vigorous, even more so than Pinkie, which is one of the parents, and are extremely floriferous. The flowers are ideally placed on unusually long and stout stems. The flowers of Pinnacle have remarkable keeping quality; frequently three sprays on the same branch will be in perfect condition. Packet, 25c.

RAPTURE—A real novelty in the cream pink section. The color is a lovely deep clear Rose Pink on a deep cream ground. A large bold flower, beautifully placed on long, stout stems. The vines are exceptionally vigorous and bear four-blossomed sprays abundantly. Packet, 25c.

LINARIA FAIRY BOUQUET

(New) Very compact plants about eight to 10 inches high, in many distinct colors, such as rose, yellow, pink, lavender, carmine, red, violet, white, and salmon. A gem for the border or rock garden. Packet, 15c.

LARKSPUR

"GIANT IMPERIAL BLUE BELL"
Blue Bell is a fine medium blue Larkspur deeper than Sky Blue, a color up to this time lacking in the giant im-

perial type. The habit is decidedly upright, with long basal branched flowering spikes, well adapted for cutting. Packet, 10c.

SHASTA DAISY

(DIENER STRAIN OF DOUBLE)

This strain includes an assortment of various types of double flowers ranging from the most fully double fringed petaled sorts through semi-doubles, to a type which, though single, forms unusual and beautifully shaped flowers with lacinated, curled and quilted petals. Packet, 10c.

KNIX'S QUALITY FLOWER SEEDS

In listing our flower seeds for the new year we have endeavored to limit our list to those only of proven varieties. Our flower seeds are grown by one of the largest and best growers in the country and are shipped to us in bulk. We carry a complete stock of flower seeds at all times, putting up our packages from fresh seed as they are needed. Should you desire a flower that is not listed in this catalog, write us, and if we haven't it in stock we will endeavor to obtain it for you from a reliable source.

Tender or Greenhouse means the plant will not stand the least frost. All such must be planted late in spring (May) or in a greenhouse.

Half Hardy means the plant will stand light frost, but needs protection against very cold weather. These should be planted in the spring (March and April), not in the fall.

Hardy means the plant will stand considerable frost, or practically all we have on the Pacific Coast. These may be planted in the fall or in the spring (October to May). All sown in the fall they will come into bloom earlier than if sown in spring, even if the plants do not make much progress during the cold weather.

Annuals are plants that bloom in the first year from seed, and the plant dies after one season. Tender annuals must be sown in spring (April to June) and hardy annuals may be sown in either spring or fall (October to May).

Biennials are plants that bloom the second year from seed, and plant dies after blooming. In California, many of these will bloom the first year if sown early. Sow under same conditions as perennials.

Perennials are plants that bloom the second year from seed, and the plant lives and blooms during successive years. If sown in early spring (February to April) many perennials will bloom the first year from seed. Tender and half-hardy perennials are best sown in spring after frost is over (April to June). Hardier perennials are best sown in late summer and early fall (July to October) for next year's flowers.

ABRONIA

(SAND VERBENA) **UMBELLATA**—Annual of low growing habit. The plant is easily grown from seed planted in spring or fall and thrives very well in sandy places. ¼ oz., 10c; packet, 10c.

ACONITUM

(MONK'S HOOD OR MONKSHOE) —A hardy perennial valuable for planting among shrubs or in shady places and producing handsome spikes of deep blue flowers 3 or 4 feet tall. Packet, 10c.

AGATHEA

(BLUE MARGUERITE) —Splendid free flowering border perennials, producing almost continuously a wealth of daisy-like flowers of a mazarine blue. They are readily grown from seed and bloom the first season. Packet, 10c.

ADONIS

(PHEASANT'S EYE) —Pretty annuals growing about 1 ft. in height and producing freely its showy crimson and yellow flowers with dark centers. Packet, 10c.

AGERATUM

(FLOSS FLOWER) —Very attractive and popular annual border or bedding plants 9 to 12 inches in height. They are easily raised from seed started early in seed pans and later transplanted or they may be sown outdoors in spring. The plants in flower appear in dense clusters, entirely covering the plants.

Dwarf Compactum Blue Ball—Deep blue. ¼ oz., 50c; Packet, 10c.

Mixed colors. ¼ oz., 40c; Packet, 10c.

AGROSTEMMA

(ROSE OF HEAVEN) —Beautiful annual of easy culture. Very floriferous, flowers a reddish rose. Thrives in full sun. 12-18 inches. ¼ oz., 50c; Packet, 15c.

AMARANTHUS

Annual plants with strikingly beautiful ornamental foliage. They reach a height of 2 to 5 feet and prefer an open sunny location and rather light soil.

CAUDATUS (Love Lies Bleeding) —Bright crimson flowers in drooping racemes. Packet, 10c; ¼ oz., 25c.

TRICOLOR (Joseph's Coat) —Very showy, leaves variegated red, green and yellow. Packet, 10c; ¼ oz., 25c.

ANCHUSA

CAPENSIS (Cape Forget-Me-Not) —Attractive annual variety attains 1½ ft. in height and produces all summer lovely sprays of forget-me-not blue flowers. ¼ oz., 40c; Packet, 10c.

ITALICA —Drooping hardy perennial, growing 3 to 5 feet high and having long, loose sprays of lovely rich gentian blue forget-me-not flowers. ¼ oz., 60c; Packet 10.

ANEMONE

CORONARIA (Wind Flower) —Half-hardy perennial. Plants easily grown from seed, preferably sown where they are to bloom. Start in fall or spring and keep shaded until the seedlings appear. Mixed colors. Packet, 10c.

ANTIRRHINUM (Snapdragons)

Snapdragons are easily grown from seed and may be sown in flats or open ground from August until late spring.

MAJUS GRANDIFLORUM

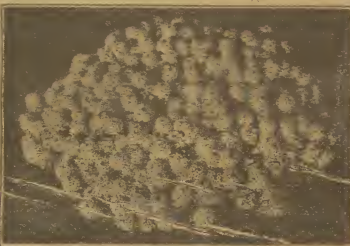
Early flowering. Colors are uniform, fixed and true. Height about 2½ feet. They come into bloom three weeks earlier, and are in full bloom one month earlier. More flowers are in full bloom at one time on a spike. Owing to their early flowering habit, they appear to be more rust resistant than any other Antirrhinums.

Brilliant Rose—rose pinkPacket, 10c
Golden King—bright yellowPacket, 10c
Scarlet Defiance—bright scarletPacket, 10c
Autumn Glow—Old rose shaded terra cotta.Packet, 10c

TALL MAXIMUM TERRA FLORUM

Retaining the merit of their original form, they have received at the hands of the hybridizers a complete glorification. They are now larger, better and more colorful. Height 4 feet.

	Pkt.	¼ Oz.
Apple Blossom—rosy pink, white tube	10c	\$1.00
Catleya—arched lavender	10c	1.00
Cerberus—deep purple with white	10c	1.00
Copper King—velvety bronzy copper	10c	1.00
Old Gold—rich old gold	10c	1.00
Purple King—deep garnet, dark foliage	10c	1.00
Ruby—rich, velvety, ruby red	10c	1.00
The Rose—deep rose pink	10c	1.00
Pastel shades, mixed	10c	1.00
Finest mixed	10c	1.00



ALYSSUM

A fragrant hardy annual having the odor of honey and bearing spikes of small white flowers in great profusion throughout the winter, spring and summer. Without a doubt one of the best border plants; is also useful for beds and baskets and will begin to bloom when quite small.

CARPET OF SNOW—Very compact, about 3 inches high, one plant often having a diameter of 15 inches. Packet, 10c; ¼ oz., 25c.

SWEET WHITE—The tallest of this group, growing 8 to 12 inches. A profuse bloomer. Packet, 10c; ¼ oz., 15c.

LILAC QUEEN—A delicate lilac (dwarf). Packet, 10c; ¼ oz., 25c.

SAXATILE YELLOW—A perennial variety of pleasing yellow color. Height 1 foot. Packet, 10c; ¼ oz., 50c.

Prices in This Catalog Cancel Previous Prices, Are Subject to Change Without Notice

HOW TO ORDER BY MAIL

Mail Order Blank
on Page 20

YOUR NAME AND ADDRESS. Be very sure that your name and address are written plainly on each order. We frequently have orders where either name is not given or address omitted. Also give plainly the R. F. D. number and box, or the street address. We acknowledge all orders by a post card if not filled immediately. If such acknowledgment is not received, or if the order does not follow at once, write us about it.

CASH WITH ORDER. The proper way is to send remittance in full to cover order. We send Seed and Poultry supplies C. O. D. Plants we never send C. O. D. (There is an extra charge of 12c on C. O. D.'s).

ALL PRICES are subject to price fluctuation and to change without notice. For this reason we ask you to write for quantity price. On vegetable seeds the price is usually fixed for the season and rarely is it necessary to change from the catalog, and the prices will be consistent with the market. You will be treated fairly.

REMITTANCES should be made by Postoffice Money Order, Express Money Order, or by Check. For amounts up to one dollar, clean, unused postage stamps will be

accepted. Coin should not be sent by mail. Checks on local banks may be sent, which will be a great convenience to many customers. We do not accept responsibility for orders which never reach us.

SHIPPING. We will use our best judgment as to the best way of sending orders when specific directions are not given. In large "prepaid" orders it is better to have them go by express, if your town is on a railroad—it is safer. We prepay express charges on merchandise quoted "prepaid." If special directions in shipping are needed, send them explicitly, and where express or freight office is different from postoffice, so state in space on our order sheet.

SEEDS BY MAIL. We send by mail or by express prepaid all orders for flower seeds, and for vegetable seeds up to ten pounds. We do not pay postage or express charges on onion sets, field seeds, clovers, grasses, bird seeds, tools or plants in large quantities; but we pay them on other vegetable and flower seeds. Correspondents in foreign countries should add a sufficient amount for postage at the rate of 14 cents per pound.

KNIX SEED CO., Inc., gives no warranty, express or implied, as to description, quality, productivity, or any other matter of any seeds, bulbs, plants or trees they send out, and they will not be responsible in any way for the crop. If the purchaser does not accept the goods on these terms, they are at once to be returned and money will be refunded.

KNIX SEED CO., Inc.
JOHN KNIX, President and Manager.

Be Sure to Add
SALES TAX
to Your Order

SCALE OF SALES TAX

\$.01 to 14c	.....00c	\$2.71 to \$3.10	.....7c
.15 to 99c	.....1c	3.11 to 3.50	.....8c
1.00 to \$1.05	.....2c	3.51 to 3.90	.....9c
1.06 to 1.49	.....3c	3.91 to 4.30	.....10c
1.50 to 1.99	.....4c	4.31 to 4.70	.....11c
2.00 to 2.49	.....5c	4.71 to 5.10	.....12c
2.50 to 2.99	.....6c		

If amount of order is larger than this scale add ¾% to the total.

IF YOU DO NOT FIND THE VARIETY YOU WANT, ASK US AND WE WILL GET IT FOR YOU.

ASTERS

AMERICAN BEAUTY (Late)

The flowers have in-curved petals and are large and full, often measuring four inches across. The plants are of branching habit, and the flower stems measure from 15 to 30 inches. The flowers have splendid keeping qualities. We heartily recommend this variety as one which you will be proud to have in your garden.

- Lavender-LilacPkt. 10c
- Carmine Rose-Pkt. 10c
- Bright RosePkt. 10c
- Crimson-Very largePkt. 10c
- September Beauty-Pkt. 10c
- PinkPkt. 10c
- Purple-Deep purplePkt. 10c
- Mixed colors-Pkt. 10c
- All colorsPkt. 10c

HEART OF FRANCE (WILT RESISTANT)

A beautiful red aster of branching habit and good cutting type. Height, 2 ft. Pkt. 10c

WILT-RESISTANT ASTERS

Disease takes its toll of plants as well as other living things. A great deal of time, effort and money is spent each year in combating it. Aster wilt has played havoc with many aster plantings. We now offer a wilt-resistant strain.

IMPROVED CREGO WILT-RESISTANT

Plants robust, branching, about 2 1/2 feet, flowers large, double and well formed; one of the finest varieties for all purposes.

- Crimson-Glowing deep rose-crimsonPkt. 10c
- White-Purest whitePkt. 10c
- Lavender-Soft lavender bluePkt. 10c
- Purple-Showy violet purplePkt. 10c
- Azure BluePkt. 10c
- Shell Pink-Light pinkPkt. 10c
- Mixed colors-finest mixedPkt. 10c

PERENNIAL-MICHAELMAS DAISY

Choice Mixed. One of the showiest of our late flowering, perennial plants; starlike, single flowers. Two feet. Packet, 10c.

POMPON ASTERS

Plants upright, 14-16 inches; small round pompon flowers; fine for cutting.

- Blood Red, Pkt.10c
- Light Blue, Pkt.10c
- Violet, Pkt.10c
- PinkPkt. 10c
- Mixed colors, Pkt.10c

KING OR NEEDLE TYPE (WILT RESISTANT)

Quite distinct in form from all other asters, as all the petals are neatly quilled. Popular for mid-summer flowering, as they seem to resist the heat so well. Mixed colors. Packet10c

BALLOON VINE

Rapid-growing annual vine with white flowers and seed-pods shaped like miniature balloons. 10 ft. Packet10c 1/2 oz., 50c

BALSAM (Touch-Me-Not)

A tender annual. Flowers both single and double, in bright colors and variations are wax-like and very attractive. The individual blossoms floating in a dish of water exhibit their beauty to the best advantage.

IMPROVED DOUBLE CAMBELLIA FLOWERED-In its extraordinary size, perfect form and brilliant colors, this fine strain of balsam surpasses all others. Height, 18 in. Packet10c

DOUBLE ROSE-FLOWERED, MIXED-Fine. Pkt. 10c, 1/2 oz., 50c.

BALSAM APPLE (Momordica)

A climbing annual growing about 15-20 feet long. Has graceful and ornamental foliage, yellow flowers and warty golden yellow fruit, with large carmine red seeds. Thrives in hot locations. Pkt. 10c, 1/2 oz., 50c.



AQUILEGIA (Columbine)

A hardy perennial of graceful habit growing about two feet high. The flowers are attractive and beautifully adapted for cut flowers. They may be successfully grown in partial shade. Fall sown seed will bloom the following spring. If sown in early spring will often flower the same season. Time required for seed to germinate is 12 to 60 days. Sow seeds in flats and transplant.

- Long Spurred Blue Shades. Packet, 15c.
- Long Spurred Pink Shades-Containing a variety of pink to rose shades. Packet, 15c.
- Long Spurred Hybrids, Mixed-This is the Elliott strain, conceded to be the finest group. Colors are mixed, stems extra long, fine for cutting. Packet, 10c; 1/2 oz., 50c.

ARABIS

(ROCK CRESS) ALPINA-6-12 inches. Hardy perennial requiring sun and poor soil. Excellent rock garden and border plant. Myriads of fine white flowers. Packet, 10c; 1/2 oz., 50c.

SPRAY FLOWERS AND ROSES OFTEN



IMPROVED NEW GIANT CALIFORNIA SUNSHINE

This lovely Aster has been rightly called the most beautiful Aster in the world. The flowers are very large, 4-5 in. across, with a single row of petals contrasting with the light yellow or blue centers.

- Carmine. Pkt.10c
- Lavender. Pkt.10c
- Flesh. Pkt.10c
- Pink. Pkt.10c
- Violet. Pkt.10c
- Mixed colors. Pkt.10c

GIANTS OF CALIFORNIA

The flowers are large and full, of the well-known Crego type, with broad, graceful petals, borne on long, heavy, non-lateral stems. The plants reach a height of three feet, blooming from mid-summer until frost.

- Dark PurplePkt. 10c
- Deep RosePkt. 10c
- WhitePkt. 10c
- Light PurplePkt. 10c
- Light BluePkt. 10c
- Mixed colorsPkt. 10c

GIANT BRANCHING COMET

Plants 2 to 3 feet, branching, flowers large and double.

- White, large, well formed, pure colorPkt. 10c
- Purple, perfect flower, dark violet bluePkt. 10c
- Rose, charming bright rosePkt. 10c
- Crimson, intense deep crimson redPkt. 10c
- Mixed colors, finest mixedPkt. 10c

ARGEMONE

MEXICAN PRICKLY POPPY

SINGLE HYBRIDS, MIXED-Sturdy plants, 2 feet high, with branching spiny glaucous leaves and prickly stems. The poppy-like flowers, 3 inches across, with gold anthers come in white, cream and yellow. Packet, 10c; 1/2 oz., 50c.

CALIFORNIA NATIVE FLOWERS

MIXED

This is a mixture which contains over 30 varieties of California Wild Flowers. Pkt., 10c; 1/2 oz., 50c; 1 oz., 75c.

CANDYTUFT-IBERIS

Hardy evergreen plants, making a magnificent showing the second year from seed. They cushion rock ledges, borders, etc., with banks of bloom. Sow outdoors in spring or fall in any sunny place. Height, 10 in.

SEMPERVIRENS-Profuse, white blooms from April to June; much used for rockeries, etc. Pkt., 10c

GIBBALTARICA-Lavender-pink flowers, a shading white; very fine blooms in June and July. Pkt., 10c; 1/2 oz., 40c.

QUEEN OF ITALY-Rosy lilac. Pkt., 10c.

MIXED COLORS. Pkt., 10c.



CALENDULA

Very hardy annual, one foot high, blooming freely practically the whole year round. It is one of the easiest culture and is desirable for rather inferior soils, where less sturdy flowers do not thrive. Calendulas make one of our finest winter flowers. A hard frost will not hurt them. In fact, the flowers are larger and finer during the winter and spring months.

RADIO-A distinct and new form of Calendula. The petals are quilled and of a brilliant orange color; very striking. Pkt., 10c; 1/2 oz., 40c.

CAMP FIRE-The blooms are undoubtedly larger than any other type and are a brilliant orange color with a scarlet sheen. Very vigorous grower. Pkt., 10c; 1/2 oz., 40c.

ORANGE KING-Bears giant flowers sometimes three inches in diameter. Color, pure orange. Pkt., 10c; 1/2 oz., 40c.

LEMON QUEEN-Like the above, but of pure lemon. Pkt., 10c; 1/2 oz., 40c.

DOUBLE MIXED-A good mixture. Pkt., 10c; 1/2 oz., 50c.

WHITE-Pkt., 10c.

CANARY BIRD VINE

A beautiful, rapid-growing annual climber, the charming little canary-yellow blossoms bearing a fancied resemblance to a bird. Pkt., 10c.

CANNA

DWARF LARGE-FLOWERING FRENCH MIXTURE. Annual. Contains choice seeds from dwarf, early-flowering plants. Pkt., 10c.

SAVE THIS CATALOG

ARCTOTIS

AFRICAN LILAC

DAISY

GRANDIS - Half hardy annual bearing daisy-like flowers. Color, petals white with mauve center. Height 2 ft. Pkt. 10c, 1/2 oz., 50c.

HYBRIDS MIXED

Flowers in many shades of pink, rose, yellow, etc., with a dark disc in the center. A half-hardy annual growing about 1 foot high. Free flowering. Pkt., 10c.



ARISTOLOCHIA SIPHO

DUTCHMAN'S PIPE

Strong growing, hardy climber, with large, thick, shiny foliage and curious yellowish brown pipe-shaped flowers. Seed takes two to three months to germinate. Pkt. 10c.

ARMERIA

FORMOSA HYBRID-Fine plant for permanent border or rock garden and does well on the sea coast. Flowers range from rose to red. Height about 2 feet. Packet, 10c; 1/2 oz., 50c.

ASPARAGUS

Seeds start slowly and should be soaked in warm water before sowing. Tender perennials; makes a pillar climber where there is little frost.

PLUMOSUS NANTS-A dwarf variety, very delicate and feathery. Packet, 10c.

SPRENGERI (Emerald Feather)-Feathery-leaved variety, with drooping branches. The variety for hanging baskets. Packet, 10c.

AUSTRALIAN PEA VINE

DOLICHOS LIGNOSUS-A rapid growing, evergreen, climbing perennial, flowering freely in large clusters of rose flowers. For covering arbors, trellises, etc., they have no superior. Packet, 10c; 1/2 oz., 40c.

BARTONIA

AUREA-Annual. Handsome plants with downy foliage and fragrant, large, golden yellow flowers, which open in the evening. Thrives in any soil. 3 ft. Pkt., 10c.

BEANS, RUNNER

Annual Climber. Scarlet or White. Pkt., 10c.

BEGONIA

Very attractive flower for both pot and bedding use, and should be more extensively grown for shady borders. Perennial. Choice mixed, pkt., 15c.

BRACHYCOME IBERIDIFOLIA

(Swan River Daisy)

A charming annual deserving greater popularity. The plants which grow about 10 inches high are covered with cineraria-like blooms in shades of blue and lavender. Mixed, pkt., 10c; 1/2 oz., 50c.

BROWALLIA

ELATA BLUE-A rich blue flowering annual which stands considerable cold weather and blooms as well in the winter as in the summer. Seed may be sown any time and it grows equally well in shade or sun. Good rock plant. 18 in. Pkt., 10c; 1/2 oz., 50c.

CACALIA (Tassel Flower)

COCCINEA RED-Sometimes called Florida's Paint Brush. An annual of easy culture growing 18 inches high. Desirable border plant and a beautiful subject for table decoration. Pkt., 10c; 1/2 oz., 50c.

CACTUS

Choice Sorts Mixed. Leafless forms, massive, round, cylindrical, flat or angular and usually spiny are characteristic of these desert plants. Sow the seed in well-drained light soil in a sheltered place and water carefully. Pkt. 15c.

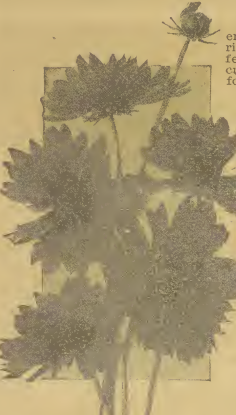
CALCEOLARIA

Hybrida Superba. A beautiful, large flowering strain, colors rich and varied. Sow the seed in seed pans in fine soil. Pkt., 35c.

CALLIOPSIS

An old-fashioned flower and a general favorite. It grows about 3 feet high and is fine for cutting and some sorts for bedding. Hardy annual. Blossoms single and about 2 to 4 inches in diameter.

Mixed-A gorgeous mixture of golden yellow, brown, maroon and most satisfactory cut flower, and it is planted quite freely for bedding. Pkt., 10c; 1/2 oz., 50c.



CANDYTUFT

UMBELLATA

This charming annual should be freely planted in all gardens for display or for cutting purposes. The flowers are borne in umbels and when the plant is in full bloom it is indeed beautiful.

Beds or borders of solid colors are most attractive and we suggest solid colors further for the reason that when one color is planted in a row or bed the plants are of uniform height, presenting a most pleasing appearance. Local florists find it a most satisfactory cut flower, and it is planted quite freely for that purpose. Seed germinates in 5 to 10 days, and it may be started in beds or flats and transplanted when several leaves are formed.

- Albida WhitePkt. 10c; 1/2 oz., 40c
- CarminePkt. 10c; 1/2 oz., 40c
- CrimsonPkt. 10c; 1/2 oz., 40c
- Flesh PinkPkt. 10c; 1/2 oz., 40c
- LavenderPkt. 10c; 1/2 oz., 40c
- Rose CardinalPkt. 10c; 1/2 oz., 40c
- Umbellata MixedPkt. 10c; 1/2 oz., 40c

CANTERBURY BELLS

(CAMPANULA)

One of the grandest of old-time favorites. These beautiful and effective hardy biennials reach a height of three feet and are covered with large bell-shaped flowers during spring and summer. Sow seed in late spring or fall in seed beds or boxes and later transplant to their permanent location.

CUP AND SAUCER CANTERBURY BELLS

Perhaps the most beautiful type, distinct in form, with large bell or cup-shaped flowers surrounded at the base by a large calyx of similar color, the whole resembling a cup and saucer.

- Calycanthema BluePkt. 15c
- Calycanthema RosePkt. 15c
- Calycanthema MixedPkt. 10c

(Continued on Page 4)

TO STOP DISEASES AND INSURE HEALTHY GROWTH. SEE SPRAY MATERIALS, PAGE 19.

ANNUAL CANTERBURY BELLS

Canterbury Bells—Annual MixedPkt. 10c

SINGLE CANTERBURY BELLS

The old favorite Canterbury Bell, with large bell-shaped blossoms on strong growing bushes, 2½ to 3 feet high.

Single Blue.....Pkt. 10c Single Rose.....Pkt. 10c
Single Mixed.....Pkt. 10c**DOUBLE CANTERBURY BELLS**

Double Mixed. A fine mixture of all colors. Pkt., 10c.

PERRENIAL CAMPANULAS

(Bellflower)

Beautiful subjects for perennial borders and beds. They are easily grown in any garden and frequently flower the first year if sown in the spring.

CARPATICA (Carpathian Harebell). Clear blue, splendid for edging; 1 ft. Packet, 10c.

CARDINAL CLIMBER

A brilliant and beautiful vine which grows 30 feet high, with fern-like foliage and cardinal-red flowers, 1½ inches across, borne in clusters profusely from midsummer until frost. Sow seed where plants are to remain, outdoors in late May. Splendid for trellises. Pkt., 10c; ¼ oz., 50c.

CARNATIONS

Carnations are exceptionally successful in California, growing and blooming continually throughout the year.

The seeds offered are originally of the best French and European strains, but have been grown and reselected in California for several years. Their germination is of the highest, the flowers extra large and very double. Sow in pans or boxes, using light, well-drained soil and covering ¼ inch. Keep shaded until the plants appear and when large enough set out in the open. Perennial 1½ to 2 ft. in height.

CHABAUD'S EVERBLOOMING**CARNATIONS**

A remarkably fine and vigorous strain of French origin. Blooms in about five months from seed. Produces nicely fringed flowers of very large size and perfectly double, and blooms indefinitely.

Bright Rose.....Pkt. 10c Scarlet.....Pkt. 10c
Dark Crimson (Black Prince).....Pkt. 10c
White (Jeanne D'Arc).....Pkt. 10c
Yellow (Marie Chabaud).....Pkt. 10c
Chabaud's Everblooming Giant Flowered, Mixed, Pkt. 10c**MARGUERITE CARNATIONS**

An exceedingly popular type blooming in a few weeks from the seed. They are of very good size and produce a large percentage of fully double flowers. Can be started in boxes or directly in the open in spring or early fall.

Marguerite Choice Large Flowered Mixed.....Pkt. 10c
¼ Oz.50c**CENTAUREA CYANUS**

(Corn Flower or Bachelor's Button)

This old fashioned hardy annual is still a great favorite for cutting purposes. The deep rich blue is the most popular. The mixture contains shades of pink, white, lavender and blue. Height 2 to 3 feet.

Double Blue—A pleasing shade of blue. Pkt. 10c ¼ oz., 25c
Double Pink—Bright pink.....Pkt. 10c ¼ oz., 25c
Double Ruby—Unique color in Cen-.....Pkt. 10c ¼ oz., 25c
Double Mixed.....Pkt. 10c ¼ oz., 25c**CENTAUREA IMPERIALIS**

(Royal Sweet Sultan)

This is the variety so popular in the florist's store. The plants are old and reliable and one plant has been known to keep a home replenished with cut flowers during the entire summer. Height 3 to 4 ft. A hardy annual. Mixed Colors.....Pkt. 10c ¼ oz., 40c
Suaveolens Yellow—Similar to Imperialis but producing yellow flowers.....Pkt. 10c**CELOSIA OR COCKSCOMB**

Cristata—Very ornamental and strong plants, producing magnificent combs of velvety long flowers. They succeed well in the garden and make very attractive pot plants. Sow seed in the spring only, for they are very tender and will stand no frost.

Dwarf Mixed—A mixture of rich velvety colors. Height 10 inches.....Pkt. 10c ¼ oz., 30c
PLUMOSA (Feathered Cockscob)—A very decorative plant and useful for mass bedding or for pot culture. The feathered plumes are of medium size and very attractive. Plumosa Mixed—Many pleasing shades from pale yellow to deepest crimson.....Pkt. 10c ¼ oz., 40c
CHILDERS (Woolflower)—As the name suggests, the flower resembles hairy balls of wool. When cut, if it is hung head down until dry, makes a beautiful everlasting flower. Height 15 inches. Mixed.....Pkt. 10c ¼ oz., 50c**CHRYSANTEMUMS**

The plants average 2 feet in height, and bear their daisy-like flowers in great profusion on strong stems.

SINGLE ANNUAL VARIETIES MIXED—Choice.....Pkt. 10c
DOUBLE ANNUAL VARIETIES MIXED—Mixture of double varieties.....Pkt. 10c**CHEIRANTHUS**

Allon—Perennial bearing gorgeous orange flowers. Height 12 to 16 inches in borders and rock gardens.....Pkt. 10c

CINERARIA

Ornamental houseplants, bearing magnificent heads of velvety, daisy-like flowers, in white, pale blue, dark blue, violet, pink, carmine and crimson, with many bicolors.

Hybrida nana multiflora, mixed. A new race producing dwarf, 10-inch, compact plants with masses of flowers measuring ¾ inch in diameter in compact heads over small, dainty foliage. The flowers are all self colored. Pkt.15c

CLARKIA

This pretty and easily grown annual has been much improved in recent years. 2 to 2½ feet high, with leafy racemes of double flowers.

ELEGANS ALBA FL. PK.—Very double, pure white.....Pkt. 10c
BRILLIANT—Rich crimson-scarlet; very double. Pkt. 10c
SALMON QUEEN—Extra double; salmon-pink.....Pkt. 10c
VESUVIUS—A brilliant orange-scarlet.....Pkt. 10c
ELEGANS DOUBLE MIXED—A fine mixture containing all the colors. Packet, 10c; ¼ oz., 30c.**CLEMATIS**

Perennial climber; fine for arbors, verandas, etc.

PANICULATA (Japanese Virgin's Bower)—The beautiful autumn-flowering variety, admired for its large, white, star-shaped flowers.....Pkt. 10c

COBAEA SCANDENS

A half-hardy climbing perennial, with large leaves and large, bell-shaped flower. Grows about 30 feet long. Pkt. 10c

COIX LACHRYMAE ("Job's Tears")

Curious ornamental grass with broad corn-like leaves and seeds of a light slate color. Valuable for winter bouquets with everlasting flowers. Strings of handsome beads are made from the seeds. Hardy annual; 3 feet high. Pkt.10c

COLEUS

These ornamental foliage plants are very popular for growing in protected borders or for pot culture. They are tender perennials but make a satisfactory growth from seed the first year. A very interesting plant to grow from seed, for many new and fine color combinations are obtained in this way.

Extra Choice Mixed.....Pkt. 15c

COREOPSIS

Lanceolata Grandiflora (hp. 2 ft.)—One of the most satisfactory perennials grown. On long graceful stems the plants bear large daisy-like flowers with broad fluted petals. In color they are a rich, glossy chrome yellow. They bloom without interruption for a long season and are brilliant in the garden as well as being much esteemed for cutting.

Single.....Pkt. 10c ¼ oz., 35c
Grandiflora Double Yellow—Greatly improved over the semi-double.....Pkt. 10c ¼ oz., 50c**COSMOS**

Very graceful tall annuals, with large, long stemmed flowers and finely cut foliage. Cosmos are invaluable in the summer and autumn garden; the plants are bushy, 5 to 8 feet high, and produce a wealth of excellent cut flowers. They are very useful for backgrounds and screens, or as heavy bushed flowering plants in borders. By using both early and late flowering strains they may be had in bloom from early summer until late fall. Easily grown from seed and succeeding anywhere.

EARLY FLOWERING—Sow the seeds of these in the early spring to late summer. They are very large flowering and excellent for garden show or for cutting. Pink.....Pkt. 10c ¼ oz., 35c
Mixed colors.....Pkt. 10c; ¼ oz., 35c

LATE FLOWERING—These are autumn flowering. Sow the seeds during late spring and summer.

White.....Pkt. 10c; ¼ oz., 25c Pink.....Pkt. 10c; ¼ oz., 25c
Red.....Pkt. 10c; ¼ oz., 25c Mixed colors Pkt. 10c; ¼ oz., 25c
LATE CRESTED—The large crested flowers produced abundantly on plants equal in size to the late flowering, present a most striking appearance. Pink.....Pkt. 10c; ¼ oz., 75c
White.....Pkt. 10c; ¼ oz., 75c Mixed colors Pkt. 10c; ¼ oz., 75c**CYCLAMEN**

Charming house-plants, with beautiful foliage and richly colored, fragrant flowers. Universal favorites for winter and spring blooming. Seed, sown any time during the spring or autumn, produces flowers in from 16 to 18 months.

Giant Finest Mixed. The very finest strain, with mammoth flowers.....Pkt. 25c

CYPRINE VINE

Popular vines with delicate fern-like foliage, and mass of beautiful, small, star-shaped flowers. Soak seed in water for a few hours before planting to hasten germination. Frequently grows 15 feet and is fine for trellises. Sow outdoors in May. Scarlet or white. Each.....Pkt. 10c; ¼ oz., 25c

DAHLIA

(12-3 ft.) For specimen plants and for rich autumn display these flowers can not be surpassed. The blossoms are wonderfully perfect and symmetrical with long stems, making them especially valuable for bouquets. While usually grown from tubers, robust plants and excellent blooms may be produced the first year from seed started early in boxes and planted out after danger of frost is past.

Single Mixed—Graceful daisy-like flowers with broad, rounded petals appearing in a wide range of glowing colors.....Pkt. 10c; ¼ oz., 50c

Double Mixed—This plant is distinguished by fluffy, loose, double flowers of handsome formation which show a pleasing variety of vivid colorings.....Pkt. 10c

DIDISCUS

(Blue Lace Flower)

This beautiful lace flower is a very attractive cut flower of a lovely blue shade and is most effectively used when mixed in bouquets. The culture is easy and being a hardy annual may be planted from early spring to late summer. If you like to raise your own cut flowers you'll be glad to have this in your collection. Packet, 10c; ¼ oz., 75c.



Blue Lace Flowers

SAVE THIS CATALOG

DELPHINIUMS

One of the finest garden flowers and becoming increasingly popular both for garden show and for cutting. Seeds sown in beds or flats during August, September, October and November will bloom the following spring. Cover the seed lightly and shade the seed bed during August and September. The first transplanting may be made when plants are sufficiently large, spacing them about 6 inches apart. After they have bloomed the first time select the most desirable plants and transplant them to a permanent place in the garden. Spray the plants occasionally with Bordeaux Mixture to prevent Mildew. Seed germinates in about 20 days.

CLIVEDEN BEAUTY. A greatly improved light blue variety. It is a strong grower with exquisite large flowers much in demand by the florist trade.....Pkt. 10c

BELLAMONA. A rich deep blue in color and of the same type and habit of growth as the Belladonna. The two grow beautifully together.....Pkt. 10c

CARDINAL. Scarlet perennial Larkspur. This handsome native flower grows to a height of 4 feet or more and produces its brilliant flowers during the early summer months.....Pkt. 10c

HOLLYHOCK-FLOWERED AND WREXHAM HYBRIDS—The debt magic of these great English hybridizers has endowed this new strain with flowers of superb size, exquisitely proportioned, on spikes like the tapered spires of ancient gothic cathedrals. These spikes range from 4 to 6 feet, with unusual long and slender stems. The lovely tones of blues, mauves, lilacs, purples and violets in wonderful variations. Packet, 10c.

LAVANDA—Deep rose lavender with small white center. Packet, 15c.

HYDRAEAS WHITE—Clear white. Packet, 15c.

SELETA—Extra double new Hybrids, mixed, producing extra double flowers of large size and excellent color. Packet, 10c.

DIMORPHOTHECA

(The Golden African Daisy)

A showy annual from South Africa, which has become a great favorite on account of its easy culture and beautifully colored flowers. The colors include all shades of yellow, orange, cream and white, and massed in beds or wide borders they have a very brilliant effect. They may be planted during the fall, spring or summer.

Aurantiaca—Brilliant orange. Packet, 10c; ¼ oz., 60c.
Hybrids—Mixed colors. Packet, 10c
Salmon Beauty—Delightful shade. Packet, 10c.**EUPHORBIA**

Plants with ornamental foliage; very showy and easily raised from seed. Height 2 feet.

VARIEGATA (Snow-on-the-Mountain)—Foliage veined and margined with white. Packet, 10c.

ESCHSCHOLTZIA

(California Poppy)

(ha-12 in.) California glories in this, its state flower, and today it is esteemed everywhere. When massed in beds it is brilliant, and it blooms profusely all summer. The plants grow in tufts, and the blue-green foliage is very lush. The long, tapering buds expand into handsome saucer-shaped blossoms.

EXTRA GOLDEN—A robust strain of Large California Poppy, with flowers of rich, pure gold coloring. Packet, 10c; 1 oz., 50c.

RAMONA—A charming variety with frilled single flowers of a copper-gold color, shading to pink. Packet, 10c.

MIXED—A delightful combination of vivid colors. Packet, 10c; 1 oz., 50c.

SALMON BEAUTY—Light salmon. Packet, 10c.

EVERLASTING FLOWERS

These were great favorites with our grandparents and are today as popular as ever. The Straw Flower (Helichrysum) is perhaps better known than the other sorts listed, but all are of very interest for giving variety to dried winter bouquets. These make fine gifts from your own garden to your friends. The drying is a simple operation: cut before fully expanded, bunch like sweet peas and hang on a line upside down in a cool, dark, dry room. It takes 10 days.

ACROCLINUM, MIXED—Pretty white and rose, daisy-like flowers, so desirable for winter bouquets. Height 1 foot.

GLOBE AMARANTH, MIXED (Gomphrena)—White, pink, rose and purple like heads of clover. Height 1 foot.

HELICHRYSUM MONSTROSUM, MIXED (Straw Flower)—Height 2 feet. For separate colors see Alphabetical List.

RHODANTHE, Mixed Colors—Neat, slender plants with silvery leaves and dainty lavender, pink and white flowers like inverted cones. Height 2 feet.

XERANTHEMUM, Mixed—Rose, purple, and white daisy flowers with outer corolla and center cup. Height, 2 feet. Each of the above, packet, 10c.

**SHASTA DAISY**

This popular flower is noted for its keeping qualities as a cut flower. They should be planted in the fall or early spring. If planted in late fall will not bloom until the following spring.

Alaska—The finest.....Pkt. 10c
Giant Double Shasta Daisy—(New). The beautiful white double flowers are 5 inches across and are very similar to shaggy petaled asters. They are borne on long stiff stems and are very valuable for cutting. Being a new variety, a percentage of single flowers may be expected.....Pkt. 10c**DOUBLE DAISY**

Belts Perennials—A hardy perennial, blooming freely all spring and summer. Plant is about 4 inches high and is valuable for borders.

Extra Double Red.....Pkt. 10c
Extra Double Pink.....Pkt. 10c
Double Mixed.....Pkt. 10c**DIELYTRA**

SPECTABILIS (Bleeding-Heart)—Perennial. Long racemes of graceful, heart-shaped, pink flowers. Fine for forcing, and also at home in hardy borders, especially in shady places. Packet, 15c.

FERTILIZE FREQUENTLY WITH "VIGORO" (THE PERFECT PLANT FOOD) FOR LARGER FLOWERS. SEE PAGE 9.

FORGET-ME-NOT—MYOSOTIS

Beautiful, half hardy perennials, blooming the first year from seed; succeeding best in moist, shady situations. Sown in the spring, they will flower in the fall.

ALPESTRIS—VICTORIA—Ornate bushy habit; bearing large bright blue flowers; very fine; 6 inches. Packet, 10c.

CYNOGLOSSUM

(Chinese Forget-Me-Not)

AMABLE—Best treated as an annual, forming strong, bushy plants 1½ feet high and producing sprays of forget-me-not-like flowers throughout the summer. Unsurpassed for massed bouquets. Sow outdoors in April. Blue and Pink. Each, packet, 10c.

FOUR O'CLOCK

(Marvel of Peru)

FINE MIXED—This good old-fashioned annual of bushy habit bears hundreds of white, yellow, crimson and violet flowers during the season. Very charming when used as a hedge plant, with its glossy foliage dotted with flowers in the afternoon. Height 2 ft. Packet, 10c; oz., 35c.

FOXGLOVE—DIGITALIS

Handsome ornamental hardy plants of stately growth. Produce long spikes of beautiful, tubular flowers, 4 to 5 feet.

They are favorites in the hardy border and for growing between shrubs and in shady places. Mixed colors.

GLOXINIAEFLORA—Handsoms spotted Gloxinia-like flowers on long spikes. Mixed colors. Packet, 10c.

THE SHIRLEY—New giant hybrids, spotted throats. Packet, 10c.

HELENIUM (Sneezewort)

This striking tall plant supplies a wealth of bloom late in the summer. Well above the base a central stalk throws out numerous branches bearing terminal flowers so profusely as to appear like a handsome bouquet. The individual flower, more than an inch across, is formed of a single row of broad petals around a globular center. It is deep golden in color, effective in the border, and suitable for cutting.

Autumnale Superbum. Packet, 15c.

HELIOTROPE

This fragrant plant has an individual charm all its own. In the border its somber green foliage and large clusters of dark blue to deep violet flowers lend themselves to pleasing contrasts with the more vivid leaves and flowers of most other plants. It is a rapid grower and from seed started early in the spring will make fine flowering plants by early summer, while in a warm climate it will continue to live and bloom all winter.

Dark varieties mixed. Packet, 10c.

HEUCHERA (Coral Bells)

Sanguinea. Delightful low border perennial about 1 ft. high, producing many graceful stems of bright coral red bell-shaped flowers. Sow the seed in boxes early in fall or in spring and transplant. Packet, 10c.

HIBISCUS

Beautiful shrub-like plants growing from 3 to 5 feet high. The flowers are 4 to 5 inches in diameter, and our mixture contains many bright and varied colors. Perennial. If sown early in the spring will bloom the first year, and it is a good idea to cut the plants back after blooming. Finest Mixed. Packet, 10c.

HONESTY (Lunaria)

Bienns. A biennial plant of the easiest culture usually re-seeding itself after a first planting. It grows 18 inches high, has purple flowers and is especially interesting when dried. The diaphanous inner linings of the seed pods, after hulls are removed, present a very decorative effect. Packet, 10c.

HONEYSUCKLE, FRENCH

(Medysarum)

Cercarum. Profuse blooming perennial about 3 feet in height, succeeds well anywhere and is particularly suitable for seaside planting. Colors, red and white mixed. Packet, 10c.

HOLLYHOCKS

Indispensable where ver height and color are required in the garden. The giant stalks with closely placed double, semi-double or single flowers, rise to a height of 6 or 7 feet, and are strikingly effective in groups, in rows, as a background or planted among the shrubbery. Seed sown early indoors and transplanted will bloom late the same year; if sown in late summer or fall they bloom next year. The following season.

Double Rose. Pkt., 10c.

Double Yellow. Pkt., 10c.

Double Mixed. Pkt., 10c.

Double Crimson. Pkt., 10c.

Double Maroon. Pkt., 10c.

DOUBLE TRIUMPH.

Waved and fringed flowers in art shades. Packet, 10c.

EXQUISITE. New, large flowers with curled, fringed, white to margined petals. Mixed colors. Packet, 10c.

SINGLE ANNUAL.

Mixed Colors. Pkt., 10c.

DOUBLE TRIUMPH.

Waved and fringed flowers in art shades. Packet, 10c.

EXQUISITE. New, large flowers with curled, fringed, white to margined petals. Mixed colors. Packet, 10c.

SINGLE ANNUAL.

Mixed Colors. Pkt., 10c.

HUMULUS

(Japanese Hop)

This rapid summer climber, which grows 20 to 30 feet, resembles the common hop, but, being an annual, attains full perfection the first season. The foliage is luxuriant and deeply cut, making a dense covering. It is one of the best plants for covering verandas and trellises, producing grateful shade, and is ornamental. Heat, drought and insects do not trouble it.

Variegated. Foliage variegated with creamy white on deep green. If sown late in May, will reach, in four to six weeks, a height of 10 to 15 feet. Packet, 10c; ¼ oz., 25c.

HYACINTH BEAN

(Dolichos)

Tender Perennial Climber. Noted for its large clusters of snowy white or purple flowers. It grows rapidly and makes a fine screen of thick foliage. Packet, 10c.

ICE PLANT

(Mesembryanthemum)

CRYSTALLINUM—The variety is largely grown for glistening foliage. Leaves are large, fleshy and covered with glistening dots. The flowers are small and white. Packet, 10c.

TRICOLOR—This variety forms a veritable carpet of triple-colored flowers. The petals are a brilliant red with black center and white zone. Packet, 15c.

DOUBLE MIXED—Graceful free-flowering annual, producing dense heads of double flowers, which make delightful bouquets. Packet, 25c.

KENILWORTH IVY

An attractive little perennial trailing plant, very useful for baskets, pots and rock work. Packet, 10c.

KOCHIA

(Summer Cypress)

CHILDISH IMPROVED—A splendid ornamental annual plant, forming dense oval bushes, 2 to 4 feet high, of small feathery light green foliage. As summer advances this changes to a carmine hue and finally to a fiery red. A very attractive plant at all times. Also called "Burning Bush." Packet, 10c.

KUDZU VINE

(Pueraria Thumbergia)

One of the most rapid-growing vines known, often making 40 feet in a season. It may be trimmed frequently for stock feed. All kinds of animals eat it rapidly, especially good for milking cows and goats. The seed is slow in germinating and should be punctured or soaked over night in warm water. Packet, 10c; oz., 75c.

ORDER BLANK ON PAGE 20**LANTANA**

A tender perennial. The plants become shrubs either large or small according to variety. They are used for borders, hedges and specimen plants, and bear verbenalike clusters of flowers. The mixtures which we offer contain scarlet, orange, white, yellow, rose and other colors. We do not have separate colors.

Choice Tall Mixed—Height, 3 to 5 feet. Packet, 10c.

LARKSPUR

By sowing the seeds at frequent intervals you may have Larkspurs blooming several times during the year. For best results seeds should be sown where the plants are to remain, and they are most easily sprouted when the soil and weather are cool. Transplanted plants of Larkspurs very often do not thrive.

NEW AND EXCEPTIONAL VARIETIES

BLUE BELL—(New). A delightful, clear light blue. Upright type with long base branching spikes. Packet, 10c; ¼ oz., 75c.

LOS ANGELES—Rich rose colored spikes with dark green foliage. Packet, 10c; ¼ oz., 75c.

LA FRANCE—Exceptionally pleasing light salmon pink—lighter shade than Miss California. Packet, 10c; ¼ oz., 75c.

BLUE SPIRE—A magnificent tall blue larkspur. Pkt., 10c; ¼ oz., 75c.

LILAC SPIRE—Base branching type of larkspur, with exquisite lilac colored spikes. Packet, 10c; ¼ oz., 75c.

STANDARD VARIETIES

LUSTROUS CARMINE—Glowing color. Packet, 10c; ¼ oz., 75c.

DARK BLUE—A rich deep blue. Pkt., 10c; ¼ oz., 30c.

WHITE—Pure white. Packet, 10c; ¼ oz., 30c.

MIXED—All colors. Packet, 10c; ¼ oz., 25c.

LAVENDER

LAVANDULA VERA (hp-2 ft.)—This is the lavender our grandmothers grew and dried for placing among their linens. Now it is used not only for sachets but also as an essence in making perfumes, and sometimes for seasoning. It is a pleasing addition to the home garden border, too, because of the feathery appearance of the delicate gray foliage, the little lavender blue flowers and the dainty fragrance. Since it is a native of dry, sandy wastes, this plant may easily be cultivated in any sort of garden soil. Packet, 10c.

LAVATERA

ANNUAL MALLOW (ha-3 ft.)—The showy flowers and large, downy leaves of these annual mallows produce a decorative effect in hedges or background borders. The giant cup-shaped blooms, measuring 2 to 3 inches across, are borne on short stems in the axils of the upper leaves. They bloom profusely during the entire summer and make long-keeping cut flowers, as the stems continue to expand in water. In habit they are rather spreading, but this is an advantage, as they may be sown late to fill a vacant spot following spring flowers. Packet, 10c.

LATHYRUS

LATHYRUS (Perennial Sweet Pea) (hp-C-5 ft.)—This sturdy vine with luxuriant pea-like foliage is often called Perennial Sweet Pea, although it is entirely lacking in fragrance. The handsome flowers, also pea-shaped, are borne in large clusters of 8 or 10 each; they are somewhat thick and waxy in appearance. The vine may be trained upon a support, but it is also well adapted to scramble over rocks and other rugged places. The plants are of simple culture and bloom for a long period, although in a northern latitude they die at frost to renew growth in the spring. Crimson, Pink Beauty, White. Each, packet, 10c. Mixed, packet, 10c.

LEPTOSYNE

STILTMANNI—One of the quickest annuals, blooming in five weeks from seed. The 15-inch plants are covered with medium-sized, golden yellow, cosmos-like, single flowers for a long period. Excellent for cutting. Packet, 10c; ¼ oz., 60c.

LINARIA

MAROCANA MIXED—Annual growing about 1 foot high, producing graceful spikes of varied colored flowers. They are of easy culture and once established will grow to good size plants and produce a wealth of bloom. Sow in flats and transplant. Packet, 10c; ¼ oz., 25c.

LINUM (Flax)

The flax family numbers several varieties with such brilliant flowers that they deserve a place in the home garden. While the life of the individual flowers is short, the continued succession prolongs the blooming season through the summer. The plants have slender foliage and are dainty in appearance. They are quite suitable for growing in beds or low borders.

GRANDIFLORUM RUBRUM (Scarlet Flax) (ha-18 in.)—Produces clusters of saucer-shaped flowers of a glossy bright red with dark centers. Packet, 10c; oz., 40c.

FLAYUM (Yellow Flax)—Masses of golden yellow flowers, 12-inch plants, from June until September. Very pretty in the border. Packet, 10c.

PERENNE, BLUE (Blue Flax)—Showy plants of long duration, having fine foliage and delicate stems, with deep blue flowers from May to August. Ht., 1½ ft. Packet, 10c.

LOBELIA

Exceedingly pretty, profuse-blooming plants for the garden and for hanging basket. Sow indoors in March, and thin moderately, or transplant several inches apart in rich soil. Height, 6 in.

CRYSTAL PALACE COMPACTA—Rich deep blue, dark foliage. The finest variety for bedding. Height, 6 in. Packet, 10c; ¼ oz., \$1.00.

CARDINALIS (Cardinal Flower)—Perennial; long full spikes of flaming scarlet flowers, with green foliage. Packet, 10c.

HYBRIDA SAPPHIRE—Deep blue with white eye. Packet, 10c.

LUPINUS (Lupine)

Free-flowering, easily grown, with long, graceful spikes of rich and various-colored pea-shaped flowers. Valuable for mixed borders, beds and for cutting. Sow in the open in March, and thin out, leaving about 1 foot between the plants. They bloom from June until September. Do not transplant. Height, 2 ft. See Perennial List for other varieties. Hartweg, mixed. Packet, 10c; ¼ oz., 60c.

MATHIOLA BICORNIS

(Night Scented Stocks)

An old-fashioned annual whose purplish flowers are of delightful fragrance emitted in the evening. Packet, 10c; oz., 30c.

MATRICARIA

(Fever Few)

DOUBLE WHITE (Capensis)—A perennial bearing small double white flowers. Good for cutting. An old-fashioned garden flower. Packet, 10c.

GOLDEN BALL—A compact dwarf plant, useful for borders. The flowers are a double yellow and bloom freely. Packet, 10c.

MIGNONETTE

Hardy annual, growing 6 to 12 inches high and bearing pyramid-shaped spikes, exceedingly fragrant. The seeds may be sown early in spring until fall for a succession of bloom. It is used for bedding borders and cut flowers.

NEW YORK MARKET—A magnificent strain of Mignonette especially suitable for florists. The flowering spikes are extra long. Packet, 10c; ¼ oz., 30c.

GOLDEN RED—Robust growing variety with enormous spikes of red colored flowers; height, 15 inches. Packet, 10c; ¼ oz., 30c.

MIMULUS
(Monkey Flower)

Brilliant perennials for bedding in partial shade or pot culture. They bloom the first year if started early. The seed is fine and should be sown in seed pans and very lightly covered. Height, 1½ feet.

CARDINALIS (Scarlet Monkey Flower)—Rich dark red. Packet, 10c.

TIGRINUS GRANDIFLORUS—Superb spotted and tigered strain, large flowered. Mixed. Packet, 10c.

MUSCHATUS (Musk Plant)—Small yellow flowers, attractive for pots or baskets. Foliage musk scented. Packet, 10c.

MARIGOLDS

ANNUAL
Marigolds display such a wealth of color after many other plants are past their prime that they are of inestimable value to every garden, and they are all excellent for cutting.

TALL DOUBLE AFRICAN

African Marigolds are the tallest, growing about three feet tall. The double ball-shaped flowers are the largest, good specimens being over 8 inches across. They are also the latest blooming and have the longest stems.

MIXED COLORS—A blended mixture of orange, lemon and gold colors. Packet, 10c; ¼ oz., 30c.

ALL DOUBLE ORANGE—A class with a larger percentage of the immense blooms than the double or quilled. Packet, 10c; ¼ oz., 30c.

ALL DOUBLE LEMON—The same form as the Orange except it is a pleasing lemon yellow. Packet, 10c; ¼ oz., 30c.

**DWARF FRENCH MARIGOLDS**

There are few, if any, of the low growing annuals that are more effective or showy for a longer period. They form dense attractive bushes 1 ft. high and are bedecked with flowers of yellow, orange, brown and maroon.

DOUBLE FLOWERING

DOUBLE MIXED COLORS—A splendid mixture of all double kinds and colors. Packet, 10c; ¼ oz., 35c.

TALL FRENCH

The flowers are much smaller than the African, but are greatly prized for bedding.

TALL FRENCH MIXED—In shades of yellow, brown and tricolors. Height, 2 ft. Packet, 10c; ¼ oz., 35c.

NEW AND UNUSUAL MARIGOLDS**GUINEA GOLD**

This is the variety that proved so popular last year and was chosen as one of the All-American 1933 introductions. The formation of the flower is more artistic than the old conventional full-double flower, and when in full bloom, remains in the state of a giant golden-orange carnation. Plants 2½ ft. high.

DARK GUINEA GOLD—Packet, 10c; ¼ oz., 80c.

LIGHT GUINEA GOLD—Packet, 10c; ¼ oz., 80c.

SCOTCH GOLD STRIPED

(New)—A very striking new variety. The full-double flowers are a bright golden-yellow color while the petals are striped and spotted mahogany-brown. This gives it a very contrasting two-color effect. Plants 18 inches high. Packet, 25c.

DWARF SCOTCH

SIGNATA PUMILA—Probably the best low-border yellow flower. Just masses of blooms all summer and seems to thrive any place. Packet, 10c; ¼ oz., 80c.

LEGION OF HONOR (Little Browne)—Very popular single variety of compact growth, about 9 inches high. Produces masses of golden yellow flowers with velvet brown centers from spring until late fall. Packet, 10c; ¼ oz., 25c.

MOONFLOWERS AND MORNING GLORIES
(Ipomoea)

Splendid rapid growing climbers. Flowers are beautiful and varied and resemble giant Morning Glories. Foliage is luxuriant and makes a growth of 10 to 15 feet a season. The seed of several varieties, especially moon flower, should have outer shell punctured and then soaked in water for twelve hours or more to germinate it.

DOUBLE ROSE MARIE (New)—Flowers are semi-double and deep rose. A good vine and a beautiful flower. Packet, 10c.

GIANT PINK—Large flowers in a delightful shade of pink. Packet, 10c.

GRAND FLORE (Moonflower)—Has large, quite fragrant, pure white flowers that open at night and are produced in great quantities. Packet, 10c; ¼ oz., 80c.

HEAVENLY BLUE—Foliage very large and heart-shaped. Flowers 4 to 5 inches across, light blue, with yellow throats; borne in large clusters. Packet, 10c.

IMPERIALIS Japanese Morning-Glory—A great improvement over the old-fashioned sorts. Flowers are larger, fringed, some double, and appear in unlimited variety of colors. Foliage is very large and often variegated. 10 ft. Packet, 10c; ¼ oz., 40c.

SETOSA Brazilian Morning-Glory—Beautiful rose-colored flowers and huge leaves. Remarkably luxuriant in growth. Packet, 10c; ¼ oz., 80c.

NASTURTIUM (Tropaeolum)

For new varieties see front page.

Annual. The Nasturtiums deserve every bit of their immense popularity for they will grow anywhere. The tall or trailing varieties grow quickly and are most useful for screening unsightly spots. The dwarf sorts are fine for edging and massing. Gorgeous solid effects can be obtained by planting the separate colors. Sow the seed in the open ground in April.

DWARF SORTS OR TOM THUMB NASTURTIUMS

Bronze—Deep bronze yellow.

Empress of India—Crimson with dark foliage.

King Theodore—Dark maroon red, dark-leaved.

Rose—A beautiful soft rose.

Salmon Queen or Vesuvius—Deep salmon.

Price: Any of the above, 10c per packet.

Large Flowering Dwarf Mixed—All shades. Packet, 10c; ¼ oz., 20c.



MOONFLOWER

JAPANESE MORNING GLORY

TALL NASTURTIUMS

Butterfly—Bright yellow spotted with delicate salmon. Chameleon—Produces flowers of several different shades on the same plant.

Dark (Crimson)—Rich red.

Dennett's Orange—Bright orange yellow.

Vesuvius—A very pleasing shade of salmon rose.

Price: All the above varieties, 10c per packet.

Tall Giants of California Mixed—A wonderful mixture of giants sorts. Packet, 10c; ¼ oz., 20c.

NEMESIA

This is an excellent bedding or edging plant, not so well known nor so generally used as it should be. The bushy plants are symmetrical and send up countless slender stalks crowned with flowers. The blossoms are dainty and fairy-like, something like those of Schizanthus, and often the lower part of the flower is of a color contrasting with the upper part. When in bloom, they are a riot of color. They may be trimmed back as they fade, and usually they will flower again the same season.

COMPACT BLUE GEM (8 in.)—A striking variety with clear Forget-me-not blue flowers. Packet, 10c.

COMPACT TRIUMPH MIXED (8 in.)—A brilliant blend containing almost every color of the spectrum from deepest red through orange, yellow and blue to dark purple. Of tidy habit. Packet, 10c; ¼ oz., \$1.00.

NEMOPHILA

An annual of compact habit with oddly and beautifully colored flowers of blue, purple and white, in unusual markings and blendings. Mixed Colors—Packet, 10c.

NICOTIANA**(FLOWERING TOBACCO)**

Extremely showy annual plants, giving a continuous display of brilliant flowers through the summer and autumn. 2 to 3 feet.

AFENTIS—Fragrant, tubular, pure white flowers. Packet, 10c.

NIGELLA (Love-in-a-Mist)

Lovely garden annuals, with finely cut green foliage and curious looking flowers and seed pods.

MISS JERRELL—Clear cornflower blue; excellent for cutting. 18 inches. Packet, 10c.

OENOTHERA

BIENNIS (Evening Primrose)—Annual. Flowers large, fragrant, showy; yellow being the predominating color, affording a fine display. Mixed Colors—Packet, 10c.

PASSIFLORA (Passion Vine)

EDULIS—Perennial climber and rampant grower, blossoming freely. The pulp of the fruit is delicious. Packet, 10c.

PANSIES

Pansies thrive best in a moist, sunny location and in rich, loamy soil. Seed should be sown in the autumn for early spring blossoms or can be sown early in the year for good flowers later in the spring. The plants must be transplanted twice in order to get the largest flowers; once from the seed box to a chosen place and again to the open garden. This is important for large size pansies; use manure liberally. The blossoms are usually larger in the spring and again in the fall, and while they bloom freely all summer, the blossoms are small during the hot months.

It is much more interesting, satisfactory and inexpensive to grow your own pansies from seed. By so doing you may select and grow your individual color scheme; you may also select your own types and take advantage of some of the finest varieties, the plants of which are not offered for sale.

SWISS GIANT OR ROGGLI—Competent judges of flowers of quality have royally named this strain ever since its introduction to the public in 1924. Within the last three years the blossoms have been remarkably improved in every way so that now they stand highest in merit and among giant pansies. The plants are compact in habit, they produce immense flowers, circular in outline, and their beauties can be enjoyed for a long blooming season.

BLUE (Lake of Hun, Ullswater)—Ultramarine blue with striking deeper blue veins. Packet, 10c.

YELLOW (Rhinegold)—Golden petals and splendid deep brown blotches. Packet, 10c.

MIXED—A collection of the richest colors and markings known in pansies. Packet, 25c; ¼ oz., \$1.50.

TRIMARDEAU—Another large flowering class with variegated flowers. Normally the upper two petals are of the same single color, contrasting with another shade in the three lower petals which are beautifully blotched. An excellent bedding mixture in many colors, chiefly the rich darker shades.

GOLDELSE—Pure yellow. Packet, 10c.

CARDINAL—Brilliant red. Packet, 10c.

YELLOW WITH BLACK VEIL—Packet, 10c.

DARK BLUE WITH DARK BLOTCHES—Packet, 10c.

AZURE BLUE—Packet, 10c.

KING OF THE BLACKS—Packet, 10c.

ST. RENO—Golden orange. Packet, 10c.

LORD BEACONSFIELD—Packet, 10c.

EMPEROR FREDERICK—Dark red, orange edged. Packet, 10c.

MIXED COLORS—Packet, 10c; ¼ oz., \$1.00.

CURED DOUBLE MIXED—Above mixture is a perfection of the well-known masterpiece strain and is so strongly cured that it has the appearance of being double. Very attractive colors. Packet, 10c.

OREGON GIANTS—The immense blossoms are of wonderful shades and coloring beyond all description. They have very heavy texture and sweet fragrance. They stand erect on very long, strong stems and, cut with their very luxuriant foliage, just a few blossoms arranged properly make a gorgeous display. Mixed colors—Packet, 35c.

PAINTED DAISIES**(Annual Chrysanthemum)**

These hardy annuals are very showy and effective garden favorites. They grow to a height of about 2½ feet, producing a profusion of very lovely daisy-like flowers. Contrasting colors are produced in zones, these zones being well defined and of bright colors. They are easily grown, excellent for cutting purposes and are used freely in California as a florist cut flower. They do not require much water. Mixed—All colors. Packet, 10c.

PENTSTEMON

GLOXINIOIDES "SENSATION"—The large Gloxinia shaped blossoms vary from pure white, pink, rose and crimson to mauve and purple, including shades which are beautifully edged. Hardy perennials. Height, 2 feet. Packet, 10c.

PHLOX DRUMMONDI**(Texan Phlox)**

A valuable and showy highly esteemed for bedding, for massing and for borders. The plants grow about one foot high, thrive in practically any soil if given a sunny location and good drainage. Seed may be started in boxes and transplanted or sown in the open in spring.

Bright Scarlet.

Chamois Rose.

Rose Pink.

Violet.

Price: Any of the above, per packet, 10c.

PHLOX DECUSSATA**(Perennial Phlox)**

Handsome herbaceous perennial, a favorite for the hardy border. Flowers are large, brilliant and freely produced on stems 2 to 3 feet high. Sow seeds in seed boxes during the fall and transplant. Packet, 25c.

MAIL ORDERS PROMPTLY FILLED

Petunia
Knox's Superb
Giants

From photo of a splendid blossom typical of this strain.

PETUNIAS

There are marvelous possibilities in home garden Petunia growing. Many new and improved types may be trained in interesting form on lattice, pillars, mass bedding, etc. The culture of Petunias is simple. Seeds may be planted from September to March in cold frames or boxes. Equal parts of loam soil and fine river sand provides a good seed bed.

Broadcast seeds on the surface and sift fine sand to barely cover the seed. Water with a fine fog spray. A covering of glass will assist in holding the moisture until seeds are germinated and should be removed to give seedlings fresh air and to harden them. Do not expose the very young seedling to hot sun, but give them plenty of light and air the first few days after germination. A cloth screen is sufficient protection. The very best strains of Petunias will produce a small percentage of inferior flowers, and the smaller plants often produce the best flowers; therefore, plants should be taken as they come.

FANCY DOUBLE VARIETIES

SUPERB DOUBLE FRINGED MIXED—One of the finest strains of Petunias in existence. The double flowers are very large, full and symmetrically formed, having the edges of the petals beautifully fringed. Packet, 25c.

GIANT RUFFLED AND FRINGED

GIANT RUFFLED MIXED—An unusually fine mixture of ruffled monsters, containing all colors of the named varieties. Packet, 25c.

GIANTS OF CALIFORNIA—A magnificent strain of ruffled and fringed petunias producing an array of glorious colors, which will be appreciated by all growers of petunias. Packet, 25c.

ELKS' PRIDE—Very large frilled, deep purple. Packet, 25c.

DWARF GIANTS—Ramona strain. Plants compact, with large, colorful flowers with throats well marked and veined. Packet, 25c.

STANDARD BEDDING VARIETIES

ROSE OF HEAVEN—Dwarf, rose pink. Height about 10 inches, compact and free flowering. Packet, 10c; ¼ oz., 75c.

NANA ERECTA ROSY MORN—Of the same compact growth as Nana ERECTA Snowball, but of lovely pink color with contrasting white throat. An improved strain. Packet, 10c; ¼ oz., 75c.

NANA ERECTA VIOLECEA—A new strain. This is a fine deep violet, the texture of flower is like velvet and the plant growth erect and compact, like all of this class. Packet, 10c; ¼ oz., 75c.

HOWARD'S STAR IMPROVED—Large velvety purple with a white star. Makes a very striking and attractive bed or border. Packet, 10c; ¼ oz., 75c.

HYBRIDA FINE MIXED—A good petunia for massing in beds and borders, a profusion of brilliantly marked flowers. Packet, 10c; ¼ oz., 75c.

PHYSALIS FRANCHETII

(Chinese Lantern Plant) grows to a height of about 2 feet and is a profuse bloomer, producing many large striking flowers of a beautiful, brilliant orange red color resembling Chinese lanterns in shape. Packet, 10c.

PINKS OR DIANTHUS

These annuals are strong, sturdy growers, blooming from early summer until late fall. They require a moderate amount of sunshine but will thrive almost anywhere. The seed may be sown in April and transplanting done while the plants are quite small. Height, 10 to 15 inches.

CHINESE PINKS, DOUBLED MIXED (China or India Pinks)—These bloom in clusters with very double flowers in a large range of bright colors. Packet, 10c.

HEBREW PINK (Pink)—A colorful mixture including everything from the most delicate rose to the richest velvety crimson imaginable. Packet, 10c.

HARDY DWARF PINKS

These hardy perennials are unsurpassed for color and fragrance and are splendid for borders. They bloom freely the first season, remaining green all winter and blooming the next year also, if lightly protected. The double-flowering variety are quite as fine as carnations for cutting.

ALLWOODI ALPINE—A wonderful plant for rock-gardens and stone walls. The tiny plants, only 4 inches high, are covered with small, Dianthus-like flowers ranging through purple, white, pink and the darker rose shades. Packet, 15c.

FLUMARIUS (Grass Pinks, Scotch Pink or Pheasant-Eye Pink)—A beautiful, single, hardy pink with fringed edged flowers of various colors. Spicy fragrance. Packet, 10c.

SWEET WYVENSFIELD—The most popular Dianthus introduced in recent years; growing much like Sweet Wither, only the flowers are larger and it has a much wider range of color. Packet, 15c.

FLUMARIUS SEMPERLORENS (Everblooming Hardy Grass Pink)—Very beautiful, single-double, double and single flowers in a great diversity of colors. Delightfully sweet scented. Packet, 10c.

POPPIES

Annual Poppies should be sown as early in the spring as possible where they are to remain, as they do not stand transplanting. Sow very thinly, preferably in cloudy weather or after a shower; barely cover the seed, press down firmly and they will come up in a few days. If they come up too thickly they must be thinned out to stand 3 to 4 inches apart, more apart if you wish best results. It is well to make several sowings at intervals to keep up a succession of bloom.

If picked before expanding the flowers will last several days. It is also advisable to pick the old flowers when the petals fall, which will lengthen the blooming season quite a while.

ANNUAL VARIETIES

For flaming brilliancy, Poppies have no rivals among the annual flowers. Some varieties are suitable for cutting; the Shirley's, in particular, if picked early in the morning will be just showing color, last well in water.

ANNUAL ORIENTAL—These huge red poppies, like the perennial Oriental Poppies, are of great substance, but remain in bloom two weeks longer. Packet, 10c; ¼ oz., 25c.

SHIRLEY IMPROVED, MIXED—A great favorite, coming in many beautiful shades—rose, salmon, apricot, pink, crimson, red with white margin, etc. Height, 2 ft. Packet, 10c; ¼ oz., 25c.

TULIP POPPY—Flowers 3 inches across, resembling the brilliant scarlet Gesneriana tulip. Height, 2 feet. Packet, 10c.

(Continued on Page 7)

AMERICAN LEGION—A greatly improved English Scarlet or Flanders Poppy with very large, single flowers of a beautiful, rich, dazzling orange-scarlet color. Grows 2 feet high. Packet, 10c; ¼ oz., 25c.

DOUBLE CARNATION FLOWERED MIXED—Flowers are very double, ball-shaped and well fringed. The plants grow to 4 feet high, bearing blossoms of brilliant colors, making a grand garden display. Annual. Packet, 10c.

PERENNIAL VARIETIES

ICELAND (*Papaver nudicaule*)—Will bloom the first year if planted early. Of graceful habit, coming in a variety of colors. Single or Double Mixed. Packet, 10c.

ORIENTAL (*P. orientale*)—Large, brilliant flowers. The loose, sulken petals have a blotch of black at the base. 2 feet. Mixed. Packet, 10c.

PORTELACA

MOSS ROSE

This garden gem has great virtue in that it will thrive in a dry sunny spot where most other flowering plants will die of thirst. It is of spreading habit with fleshy stems light green in color, and often tinged with red. Small needle leaves give it a mossy appearance. The glossy cup-shaped single blossoms and rose-like double flowers about 1 inch across cover the plants and create a dazzling display of color throughout the summer. Ideal for a ground cover over a sunny bank or for low edging.

Single—This last flowering type with gay single flowers is most satisfactory. Mixed—Packet, 10c; ¼ oz., 30c.

DOUBLE MIXED—Sometimes called "Bed of Roses." A choice blend which, while never entirely fixed, will produce a large percentage of doubles. Packet, 10c; ¼ oz., 35c.

PRIMULA (Primrose)

All strains of this early flowering perennial are very beautiful. Several, such as *Obconica*, *Malacoides* and the *English Primrose* may be grown in the open in California. The Chinese Primroses are splendid pot plants for indoor culture. Sow the seed in August or September in seed pans of rich loam mixed with sand, cover the seed very lightly and keep in greenhouse or frame, 9 inches.

OBCONICA *GIGANTEA*—Very free flowering and of easy culture. Sow in fall or early spring in seed pan, using porous loam, but avoid peat or leaf mold. Keep indoors or in greenhouse. The flowers are large and showy in shades of red, pink and white. Packet, 30c.

MALACOIDES (*The Baby Primrose*)—A great favorite both for in and out-door culture in mild climates. Blossoms in clusters of numerous minute lilac flowers, about one foot high. Packet, 10c.

VULGARIS (English Primrose)—Old favorite, canary yellow. Packet, 10c.

PYRETHRUM (Painted Daisy)

These very handsome herbaceous perennials have flowers of brilliant colors which are very lasting. They are especially fine for cutting and the pink and rose types add a splendid touch to masses of delphiniums in bouquets.

AUREUM (Golden Feather)—Bright golden yellow foliage. 8 inches. Packet, 10c.

ROSEUM

Flowers bright rose color. July. 2 feet. Packet, 10c.

RANUNCULUS

GIANT FRENCH MIXED—Beautiful perennial, 12 to 15 inches high, bearing in spring quantities of double and semi-double flowers in all shades of red, orange and yellow. Excellent for cut flowers, and early they bloom the first season. Packet, 10c; ¼ oz., 50c.

ROMNEYA COULTERI

(Matilda Poppy)

The queen of all our native flowers. Perennial. Flowers pure white with golden stamens and 6 to 8 inches in diameter; flowers last well when cut. 6 to 10 ft. Packet, 10c.

RICINUS (Castor Oil Plant)

Effective for semi-tropical garden. Easily raised from seed and should be grown in deep, rich soil. **ZANZIBARENSIS**—The giant type of the Castor Bean. Foliage large in shades of green and during the different stages of growth. Very suitable as a windbreak. Packet, 10c; oz., 35c.

SALPICLOSSIS

Sun-loving, velvet-petaled annual, 2½ feet in height. The richly colored, trumpet-shaped flowers are produced in the greatest profusion throughout the season and are sufficient to furnish many bouquets. The plants are easily grown from seed sown in the open in spring or earlier in boxes and transplanted. Space about 1 foot between plants.

PURPLE—Netted and pencilled with gold. Packet, 10c. **VELVETY RED**—Packet, 10c. **GLORINTA FLOWERED MIXED**—All shades, beautifully variegated and mottled. Packet, 10c.

SALVIA (Flowering Sage)

Brilliant subjects for summer bedding and border planting. Flowering freely throughout the season. Although perennial they bloom quickly from seed. Sow early indoors or in hot bed and transplant in spring or may be sown out in April or May and thinned to 15 inches apart. An open, sunny location is best, but succeeds also in partial shade.

SPLENDENS (Scarlet Sage)—Bright fiery scarlet, one of the most effective and showy of all bedding plants, 2 feet. Packet, 10c.

BONFIRE—Similar to the above but more compact and bushy, 1½ feet. Packet, 10c. **PATENS**—Navy blue. Splendid species for permanent border where heavy frost is not feared. 2½ feet. Packet, 10c.

SAPONARIA

(Bouncing Bet)

MULTIFLORA (Calabria)—Pretty annual, 9 inches high, bearing star-shaped flowers in shades of pink and white; valuable for bedding, rockwork, etc. Packet, 10c.

SANVITALIA

(Trailing Sunflower)

PROCUMBENS Fl. Pl.—Free blooming, trailing plants for beds, rockeries, etc. Very double, golden yellow. Packet, 10c.

SCHIZANTHUS (Butterfly Flower)

The plants branch freely and form a neat bush 2 feet high, literally covered with butterfly blossoms of such exquisite pale colorings as are found in orchids. Sow in hotbed in March and April and transplant in flower beds. When 3 inches tall, pinch out top. Follow by sowings outdoors in May and June to keep up a succession. For December and January bloom, start seed September 1 and shift seedlings up to November 10.

WISCONSINENSIS HYBRIDS—These range from white through pink, yellow and carmine to purple. Packet, 10c.

SENSITIVE PLANT—MIMOSA

PUDDICA—Very curious and interesting plant with "sensitive" foliage, which droops and closes when touched or shaken. Flowers light pink. Perennial, 2 ft. Packet, 10c.

STATICE

SINUATA—An everlasting flower which is increasing in popularity. The plants throw large sprays of flowers which may be dried and make fine winter bouquets. It may be planted both in the spring and late summer. The seed should be kept quite moist until germinated. Mixed. Packet, 10c.

CASPIA—A lovely variety having blue minute flowers borne in long sprays, which is much used to mix with other flowers because of its dainty graceful effect. It is a hardy perennial, flowering during the summer and early fall. Packet, 10c.

LATIFOLIA—This variety produces large branching sprays of minor leaves and flowers that are invaluable for cutting. May be dried and used with everlasting flowers. Perennial. Packet, 10c.

PERFECTA—Hardy perennial. The leaves are large and glossy and the flower stalk grows to a height of 2 feet or more above the leaves and is crowned with a mass of small violet blue flowers. This variety is popularly grown among shrubbery and as specimen plants. Packet, 10c.



SCABIOSA (or Mourning Bride)

SCABIOSA

Large Flowering Annual Varieties

MOURNING BRIDE, PIN CUSHION—An old garden favorite and which has been much improved recently.

The flowers are large and vary from a lovely light blue to deepest red. They are borne on long, graceful stems and produce abundantly from spring into autumn. They are especially recommended for cutting. Sow seed in boxes and transplant or sow in open ground after frost is past to 15 inches apart. Height, 3 to 4 feet. Packet, 10c.

Hardy Perennial Scabiosa

Perennial Scabiosa are highly decorative and invaluable for cutting, lasting a long time in water. Seed should be planted in the fall for preference, but if sown in early spring the plants will bloom the first season. Height from 2 to 3 feet.

ISAAC HOUSE HYBRIDS—This new hybrid strain is a great improvement over the Caucasian variety. The flowers are large with ruffled petals and range in color from white to darkest blue—lilac and mauve predominating. Packet, 10c.

COLUMBARIA PINK—Flowers of this beautiful new scabiosa are 2-2½ inches across, borne on long, slender stems. The attractive pink shades are decidedly novel in a perennial Scabiosa. Packet, 10c.

COLUMBARIA LAVENDER—Similar to above but flowers dainty lavender shade. Packet, 15c.

SMILAX

MYRSIPHILLUM ASPARAGOIDES (P-C-6 ft.)—No twining climber in cultivation surpasses this in graceful beauty of foliage. Unfortunately its susceptibility to cold permits it to be used outdoors only in a mild climate while in the North it needs to be grown inside. It supplies fine, long sprays of small, glossy, green leaves which keep several days without wilting and make fine decorative material. Packet, 10c.

STOKESIA (Cornflower Aster)

CYANEA—A very comely perennial, growing 2 feet tall, and bearing handsome lavender blue cornflower-like blossoms in profusion. Flowers from midsummer until frost; good cut flower. Packet, 10c.

SWEET WILLIAM (Dianthus Barbatus)

A hardy perennial, blooming the second year from seed. Grows one to two feet high and bears its flowers in clusters at the end of a stiff stem. The individual flowers are handsomely colored and marked. It makes a beautiful bedding plant.

SINGLE MIXED—Very attractive. Packet, 10c.

DOUBLE MIXED—Packet, 10c. **ANNUAL SINGLE MIXED**—A fine mixture, blooming the first year from seed. Packet, 10c.

STOCKS

Sow the seeds of stocks in flats or cold frame and transplant to the garden when they are 2 or 3 inches high. For winter bloom in California they require sun and well drained soil. In heavy soil, plant them on a slight ridge, permitting the water to drain from them during the rainy season. Stocks are selected to produce an average of 75 plants bearing double flowers. For a mass of all double flowers, set close together and remove the single flowered plants when first flowers appear. Stocks are an outstanding garden favorite because of their delicately colored spikes and fascinating penetrative odor.



Early Branching Mammoth Nice Stocks

EARLY GIANT IMPERIAL STOCKS

This wonderful new strain of Stocks is of branching habit, making it a most desirable variety because of flowers from the main stalk without injuring or destroying the beauty of the plant. The flowers are large and many of them on a stem. The sweet perfume of the Stocks make

SAVE THIS CATALOG

INOCULATE SWEET PEA SEED WITH "NITRAGIN"—STIMULATES GERMINATION AND GROWTH. SEE PAGE 19.

them most desirable for garden or for vases, and the Bismarck is the very latest improvement.

ANTIQUE COPPER—Hellebore red.....	Packet 10c
APPLE BLOSSOM—Blush.....	Packet 10c
ELKS' BLOOD—Dark purple.....	Packet 10c
FIERY BLUE RED—Bright red.....	Packet 10c
GOLDEN ROSE—Light golden rose.....	Packet 10c
LAVENDER—Light lavender.....	Packet 10c
LILAC—Dark lavender.....	Packet 10c
ROSE—Deep rose pink.....	Packet 10c
WHITE—Pure white.....	Packet 10c
BISMARCK MIXED—All colors.....	Packet 10c

GIANT WINTER NICE STOCKS

The large double blossoms very freely produced and long stems are of the greatest value for cutting in winter and are grown in quantity by florists for this purpose. They are also admirable in the garden throughout the winter and early spring in California and other states entering mild winters or may be flowered in the home or conservatory where rigorous temperatures are expected.

BEAUTY OF NICE—Delicate flesh.....	Packet 10c
BROOK OF NAPLES—Old rose.....	Packet 10c
BRIGHT VIOLET—Fine rich violet.....	Packet 10c
LILAC.....	Packet 10c
MONT BLANC—Pure white.....	Packet 10c
MONTE CARLO—Canary yellow.....	Packet 10c
SOUVENIR DE MONACO—Crimson.....	Packet 10c
FINEST MIXED.....	Packet, 10c; ¼ oz., 75c

LARGE FLOWERING TEN-WEEK STOCKS

Our improved strain of this popular summer stock is especially suited for summer bedding and is also valuable for cutting. The plants attain a height of 12 to 15 inches, are very free flowering and come into bloom quicker than any other type.

FLESH COLOR.....	Pkt. 10c	BRIGHT ROSE.....	Pkt. 10c
BRIGHT BLUE.....	Pkt. 10c	PURE WHITE.....	Pkt. 10c
BLOOD RED.....	Pkt. 10c	YELLOW.....	Pkt. 10c
PURPLE.....	Pkt. 10c	FINEST MIXED.....	Packet, 10c; ¼ oz., 90c

SWEET PEAS

See new varieties on Page 1
Giant Spencers

Sweet peas command the attention and admiration of every lover of flowers. They are so easy to grow, and produce such wonderful effects as no home should be without them. Plant them in a large garden, the fence, against the house or garage or string them up on wires or netting in the center of the yard. A southeast exposure is best, but they will bloom most anywhere if they get part sunshine. Plant them now and they will grow during the winter and develop a good strong root system and naturally produce a much larger and more beautiful flower. After sprouting break up any lumps and stamp the soil down very firm. Sweet Peas demand a firm, sandy soil and should be sown in rows. Plant the seeds about one-half inch deep and six inches apart. Most people plant them too close together. After planting, soak the ground good, and as the ground dries keep the top worked up so that it will not crust or bake. When the plants are about three inches high it is time to provide some means of support. Stakes with strong wire supports are fairly good, but wire mesh is much better. Keep pruning out the lateral branches that have a tendency to cover one another, as crowded plants never bear large flowers. As fast as the pea plants begin to cut (do not pull) them off as withered or dry blossoms spoil their looks and will cause them to go to seed too soon. The sweet pea seeds we grow are grown in California by growers in the world, and we can safely and conscientiously say that there are none better. A great deal of time and money is spent bringing out new and better varieties and improving the older sorts.

We submit the following list as the cream of varieties and feel sure that they will give entire satisfaction:

LATE FLOWERING SPENCERS

The flowers of the Giant Spencer type are very large and wavy. The vines are extremely vigorous, often growing 8 to 10 feet in height if planted in the fall they begin to bloom early in spring and if the blossoms are gathered daily and no seed pods allowed to form they continue to flower freely for several months.

ASTOR—Light lavender, tinted mauve.....	Pkt., 10c; oz., 30c
AUSTIN FEDERICKS—Pure lavender.....	Pkt., 10c; oz., 30c
ALL BRIGHT—Intense fiery scarlet.....	Pkt., 10c; oz., 30c
COUNTESSE—Light pink, shading darker toward center.....	Pkt., 10c; oz., 30c
CRIDSON KING—Rich oxblood crimson.....	Pkt., 10c; oz., 30c
CONSTANCE HINTON—Pure white, with black seed.....	Pkt., 10c; oz., 30c
ECSTASY—Blush pink. Very large and strong grower (1934).....	Pkt., 15c; oz., \$1.00
FLOWER OF THE NIGHTINGALE—Blue.....	Pkt., 10c; oz., 30c
HERCULES—Rose pink.....	Pkt., 10c; oz., 30c
DEL MOYNE—Rich salmon color.....	Pkt., 10c; oz., 30c
ILLUMINATOR—Crisis, salmon with an indication of bright orange.....	Pkt., 10c; oz., 30c
KING EDWARD—Pure red.....	Pkt., 10c; oz., 30c
MAJESTIC CREAM—Deep cream.....	Pkt., 10c; oz., 30c
MRS. CUTHBERTSON—Standard rose pink, wings white.....	Pkt., 10c; oz., 30c
MARY PICKFORD—Cream-pink with soft suffusion of salmon.....	Pkt., 10c; oz., 30c
MISS CALIFORNIA—Cream-pink with a salmon and orange tinge.....	Pkt., 10c; oz., 30c
MRS. TOTT JONES—Bright delphinium blue.....	Pkt., 10c; oz., 30c
MASTERCREAM (1934) Deep cream without a trace of pink.....	Pkt., 15c; oz., \$1.00
NUBIAN—Giant maroon.....	Pkt., 10c; oz., 30c
OTHELLO—Rich old blood maroon.....	Pkt., 10c; oz., 30c
FRESHLY—Brilliant orange.....	Pkt., 10c; oz., 30c
PINKIE—Rose pink.....	Pkt., 10c; oz., 30c
REFLECTION—Clear blue.....	Pkt., 10c; oz., 30c
RIFLES—Charming flushed.....	Pkt., 10c; oz., 30c
ROYAL PURPLE—Deep and rich purple.....	Pkt., 10c; oz., 30c
ROYAL SCOTT—Flame scarlet.....	Pkt., 10c; oz., 30c
TANGERINE—Orange.....	Pkt., 10c; oz., 30c
WEDGWOOD—Bright blue.....	Pkt., 10c; oz., 30c
WINNIE MORSE—Delicate cream pink with charming rose pink blush.....	Pkt., 10c; oz., 30c
YOUTH—Large white, edged soft pink.....	Pkt., 10c; oz., 30c
MIXED COLORS—A good selection of all good colors.....	Pkt., 10c; oz., 30c

EARLY FLOWERING SPENCER

This group of Sweet Peas deserves more attention from home gardeners who may have been disappointed in growing the later varieties. They come into bloom from three to four weeks earlier, and for that reason they should be sown before the summer droughts arrive. In addition to this, the vines have a long blooming season, and where nights are cool they will continue to bear for months. They are less branching than those of the late Spencers, but the blossoms are equally large, beautifully waved, and are carried on long stems. They are ideal for late fall planting and where the winters are mild, as in our Gulf states, those bordering on the Gulf and in California they are used in large quantities at that season of the year.

The Early Flowering Spencer has also earned marked recognition from a great many commercial growers for forcing under glass.

AVANT—Glowing crimson.....	Pkt., 10c; oz., 40c
BURTON'S—Light orange.....	Pkt., 10c; oz., 40c
HARMONY—Clear lavender.....	Pkt., 10c; oz., 40c
ORIENTAL—Clear deep cream.....	Pkt., 10c; oz., 40c

(Continued on Page 8)

ATTRACTION—Clear bright salmon pink on a light cream ground.....Pkt. 10c; oz. 60c
SPRINGSONG—Bright rose pink flushed salmon.....Pkt. 10c; oz. 60c
PRIDE—Deep blue.....Pkt. 10c; oz. 40c
AMERICAN BEAUTY—Rose.....Pkt. 10c; oz. 40c
MRS. KERR—Clear light orange salmon.....Pkt. 10c; oz. 40c
ZYOLANEK ROSE—Bright rose.....Pkt. 10c; oz. 40c
VULCAN—Vivid non-burning scarlet.....Pkt. 10c; oz. 40c
WHITE HARMONY—Pure white.....Pkt. 10c; oz. 40c
BILLY BOY—Clear blue.....Pkt. 10c; oz. 40c
CHEVALIER—Rose.....Pkt. 10c; oz. 40c
GLITTER—Cerulean.....Pkt. 10c; oz. 40c
GRENADE—Dazzling scarlet.....Pkt. 10c; oz. 40c
TORCH—Salmon orange.....Pkt. 10c; oz. 40c
SUPERIOR PINK—Rose pink.....Pkt. 10c; oz. 40c
MIXED COLORS.....Pkt. 10c; oz. 25c

CUPID SWEET PEAS

These Sweet Peas make the most brilliant and showy parkings, beds and low borders imaginable. They grow about 8 inches high and each plant is about 1 foot in diameter. Cupid Mixed, packet, 10c; oz. 25c.

THUNBERGIA (Black Eye Susan)

This ornamental creeper will climb as well as twine if offered support. It is decorated by an abundance of fine triangular leaves and produces quantities of tubular flowers with broad expanded overlapping lobes about 1 inch across. The blossoms vary from white through buff to deep orange and are set off by a solid black center. A fine ground cover in sunny spots or overhanging a bare bank. It should be grown as an annual.
 Atlanta Mixed, packet, 10c.

TITHONIA (Mexican Sunflower)

In a mild climate, where the season is long, this brilliant Mexican plant makes a fine show. Many tall branching stalks rise from the base carrying large leaves and numerous blooms like small sunflowers. They are of a dazzling orange-vermillion color. It is handsome among shrubs in the sun and supplies good flowers for cutting.
 Speciosa, packet, 10c.

TORENIA (Wish-Bone Flower)

Bushy plants with small, blue, snapdragon flowers, splendid for vases, hanging baskets, borders, etc. If started indoors February 1 and set out late in May, they commence to bloom in June and continue until frost.
 Foundry, Sky-blue flowers with three spots of dark blue and a bright yellow throat. Ht., 10 in. Packet, 10c.

TRITOMA

Sometimes called Red Hot Poker. Flowers range in color from deep yellow to coral, orange and scarlet with some very striking combinations. Easily grown from seed by planting in flats and keeping thoroughly moist until germinated. Transplant when three or four leaves are formed. Hybrida Mirables, packet, 10c.

VALERIANA (Garden Heliotrope)

During the summer months when many plants are likely to suffer from lack of moisture, Valeriana remains in flower—it is so vigorous and hardy. Its silvery green foliage spreads considerably, and its numerous stalks carry feathery clusters of tiny sweet-scented florets. Since it needs little care, it is useful in spots like a rocky bank that receive scant attention and yet should have decoration. Mixed, packet, 10c.

VENIDIUM

FASTOSUM—This is an annual of such easy culture that anyone can grow it. It has brilliant orange flowers, 4 inches across, with shining black center, displayed to perfection above the soft gray, woolly foliage, make this an unusually showy plant. Ht., 2½ ft. Pkt., 10c.

VERBENA

These ever popular dwarf creeping plants produce a garnish of somber, dark green foliage enlivened by many fine clusters of star-shaped blossoms with rounded lobed petals. The colors are decidedly refreshing in their brilliancy.
 Though half hardy, it should be used as an annual and will flower from midsummer to frost from seeds started early in the spring.



GIANT VERBENA

(T.P.) Do you remember the wild variety here place that was an eyesore in the flower border last summer? Or some other spot that would have been improved by low-growing plants with a dash of color? You will make no mistake by choosing Verbena for such a need in your next year's garden.
 These ever popular dwarf creeping plants produce a garnish of somber, dark green foliage enlivened by many fine clusters of star-shaped blossoms with rounded lobed petals. The colors are decidedly refreshing in their brilliancy.

Though half hardy, it should be used as an annual and will flower from midsummer to frost from seeds started early in the spring.

HYBRIDA GIANTS

A new strain of verbenas with the same characteristics as the mammoth except that each flowerlet in the cluster is much larger. This gives the blooming plant a more brilliant effect.

LAVENDER GLOW—True lavender with creamy eye.....Packet 10c
ETNA—Garnet red, deep cream eye.....Packet 10c
GIANT SALMON PINK—Huge treasures.....Packet 10c
LUMINOUS—Glowing flame pink.....Packet 10c
LUCIFER SCARLET—No eye.....Packet 10c
VIOLACEA STELLATA—Deep purple with white eyes.....Packet 10c
HYBRIDA GIANT MIXED.....¼ oz., 75c; pkt., 10c
WHITE—Pure white.....Packet 10c
ROYALE—Bright blue, gray yellow eye.....Packet 10c
GOLDEN QUEEN—Best yellow.....Packet 10c

HYBRIDA DWARF COMPACT

This group is very neat and compact in habit. They are continuous bloomers, particularly adapted for bedding, borders and small gardens.

FIREBALL—Bright scarlet.....Pkt. 10c
FAIRY QUEEN—Rose pink.....Pkt. 10c
RUBY—Ruby red.....Pkt. 10c
MIXED COLORS.....Pkt. 10c

BEAUTY OF OXFORD HYBRIDS

For years this captivating wild variety has been available from cuttings only. The wonderful strain we now offer from seed is brilliant, shading from clear rose-pink to rose-red, with slight salmon shading.....Pkt. 25c

ROYAL BOUQUET

At Roman weddings the bridal wreath was Verbena plucked by the bride herself. Just an old-fashioned custom, perhaps, but it certainly would not take many flowers to make the wreath if they were as large as the newer varieties of today. In Royal Bouquet we have a full range of colors in the brighter shades of large stately-eyed flowers. Borne on 15 to 18 inch stems of a definitely upright habit makes them excellent for cutting. Pkt., 25c

VINCA (Madagascar Periwinkle)

Ornamental, free-blooming plants. They begin blooming in August and keep on blooming through May. Good cut flowers, the buds all opening in water, valuable as a winter pot plant for the house.
MIXED—Packet, 10c.

VIOLA (Tufted Pansy)

There are few bedding plants so dependable, colorful and persistent in blooming over a long period as the tufted pansies. While the individual flowers are smaller than the regular pansy, they are produced in such profusion that the beds are a sheet of bloom through the entire season. Like the pansies they are gross feeders and thrive best in light but rich soil.

BLUE PERFECTION—Bright blue.....Packet 10c
FLORA—Wine-red.....Packet 10c
LUTEA SPLENDENS—Orange.....Packet 10c
ROSEA—Rose.....Packet 10c
BEDDING MIXED COLORS.....Packet 10c

VIOLA (Viola Odorata)

For this well beloved and fragrant favorite no introduction nor description is necessary—the sweet Viola is known to all. It is a true perennial, and once the plants have become established they thrive for years in the same bed with little care, but like most perennials the seeds are rather slow in germinating, therefore do not disturb seed box or bed until sufficient time has elapsed. Sow in winter or early spring in light loam mixed with leaf mould. Violets succeed best in partial shade.

ALBA—White.....Packet 10c
THE CZAR—Large flowers, blue.....Packet 10c
THE CZARINA—Rose.....Packet 10c

VISCARIA

Colorful and free-flowering annuals for borders, beds, etc., growing about one foot high. Sow in fall or spring in the open or in boxes and transplants.
FINEST MIXED—Containing many shades of rose, red, and white. Packet, 10c.

VIRGINIAN STOCK

This was a favorite in gardens in the old days, and modern flower lovers should make use of it more often than they do. It can be sown quite early, and as summer comes on it will provide a pretty, fresh effect as edging to the border. The dwarf plants are light green and produce quantities of four-petalled single flowers with a faint perfume. These come in shades of red and white. The plants bloom for many weeks.

MIXED.....Oz., 50c; packet, 10c
CRIMSON GEM.....Packet, 10c
ROSE.....Packet, 10c

WALLFLOWER

The velvety petals of this old time favorite are rich in mellow tones of bronze, copper and buff. Excellent for winter blooming either indoors or in the open where the climate permits. Sow seed in spring for winter bloom or later for spring and summer flowering. Biennial.

CHOICEST SINGLE MIXED.....Pkt. 10c; ¼-oz. 25c
DOUBLE FLOWERING EXTRA SELECT. A very fine strain producing large spikes of perfectly double flowers in a profusion of rich colors.....Pkt. 10c

WISTERIA

An extremely graceful climber. For trellises and arbor work no other climber is so popular. Grows readily from seed but plants do not make rapid growth or bloom until well established. Blue.....Pkt. 10c

ZINNIA

There is perhaps no better illustration of the advancement in plant breeding than the glorious Zinnias grown today. From the small flowers of a few years back have been evolved the marvelous size, color, form and wonderful freedom in flowering which is seen in the latest creations. The Zinnia is one of the most satisfactory flowers to grow through the summer months. It is very hardy and stands considerable heat and has few pests. As a cut flower it is unexcelled.

Zinnias are best grown from seeds sown where the plants are to remain. The seeds are easily sprouted if sown in warm soil. In preparing the soil, irrigate, pulverize and level, sow the seeds in a shallow furrow and firm the soil about them. If the seeds are sown in freshly turned soil, there should be sufficient moisture to sprout them without sprinkling. If sprinkling becomes necessary to sprout the seeds, keep the soil thoroughly moist to prevent surface crusting until the plants are up. Knox's Zinnias are the very finest and latest improved selections. Hundreds of customers write to us each year, telling us of the wonderful flowers they have produced from Zinnias.

DAHLIA FLOWERED

The large size, fullness of petals, fine color range and good keeping qualities have all contributed to the popularity of this strain. The flowers resemble in appearance the Decorative Dahlia and for this reason it is called the Dahlia Flowered Zinnia. When in full bloom they often measure 5-6 inches in diameter.

CANARY BIRD—Delicate primrose.....Pkt. 10c
DREAM—Deep lavender of purple, color, form and wonder.....Pkt. 10c
EXQUISITE—Bright rose with deeper center.....Pkt. 10c
GOLDEN STATE—Rich orange.....Pkt. 10c
METEOR—Glowing deep red.....Pkt. 10c
ORIOLE—Orange and gold.....Pkt. 10c
POLAR BEAR—Pure white.....Pkt. 10c
SCARLET FLAME—Beautiful bright scarlet.....Pkt. 10c
OLD GOLD—Deep and lighter shades of old gold.....Pkt. 10c
EL DORADO—Rose on salmon.....Pkt. 10c
SPECIAL MIXTURE.....Pkt. 10c; ¼-oz. 60c

CALIFORNIA GIANTS

Since its introduction a few years ago this type of Zinnia has gained rapid popularity. The enormous flowers, often measuring 5 to 6 inches across, are flat and have smaller centers than the Dahlia Flowered strain. The petals are symmetrically formed presenting an extremely graceful appearance. The plants attain a height of 3-4 feet. This is a strictly California introduction.

CHERISE QUEEN—A very bright and striking color of cerise rose.....Pkt. 10c
ENCHANTRESS—Light rose with deep rose center. One of the most popular of all Zinnias.....Pkt. 10c
LAVENDER GEM—Deep lavender purple—a fascinating shade.....Pkt. 10c
ORANGE KING—Cadmium or rich orange overlaid with scarlet.....Pkt. 10c
PERITY—One of the best white Zinnias.....Pkt. 10c
ROSE QUEEN—Lovely shade of bright deep rose.....Pkt. 10c
SCARLET GEM—Fine deep glowing scarlet.....Pkt. 10c



DAHLIA FLOWERED

SAVE THIS CATALOG

ZINNIA MAKE A WONDERFUL SHOWING—EVERY FLOWER GARDEN SHOULD INCLUDE A FEW OF ALL VARIETIES.

VIOLET QUEEN—Exquisite deep purple. The flowers are immense and true to type.....Pkt. 10c
DAFFODIL—Canary yellow.....Pkt. 10c
MRS. WILLMOTT—Soft pink.....Pkt. 10c
GRENADE—Bright, dark red.....Pkt. 10c
FINEST MIXED COLORS.....Pkt. 10c; ¼-oz. 60c



DOUBLE GIANT

(2½ ft.) Here is the class to which the Zinnias are indebted for the favor they enjoy today. In habit the plants are tall, branching, and vigorous. The flowers are usually brighter than the dahlia-flowered type and are nearly as large. Normally they are quite similar in shape, but the center is somewhat more elevated, and the rows of slightly convex petals are more regular, giving the bloom the appearance of being well shingled. This group will give great satisfaction.

Canary Yellow, Crimson, Orange, Pink, Purple, White, Mixed.....Pkt. 10c; ¼-oz. 40c

SMALL FLOWERED ZINNIA

LILLIPUT OR POMPOM

If you have room for two rows of Zinnias, sow the seeds of the Dahlia-Flowered or California Mammoth in the background, and Lilliput or Pompon in the front row. The former is charming in combination and will give a greater variety of flowers for cutting purposes. Pompon Zinnias are easily grown and the flowers compare favorably with the Pompon Dahlia. If you plant more than one color, Salmon Rose should predominate. This variety is very popular among commercial growers for cut flowers. Grows 2 feet high.

CANARY YELLOW—Primrose yellow.....Pkt. 10c
PURPLE—Deep purple.....Pkt. 10c
SALMON ROSE.....Pkt. 10c
SCARLET GEM (Red Ridinghood)—Bright red.....Pkt. 10c
POMPOM MIXED—Containing all the colors.....Pkt. 10c; ¼-oz. 30c

CURLED AND CRESTED

The petals of this beautiful strain are twisted, curled, and crested into the most fantastic and graceful forms. The colors comprise all the brilliant shades characteristic of the Zinnia.....Pkt. 10c; ¼-oz. 50c

PICOTEE

A very pretty mixture producing large, double, fringed flowers in a wide range of desirable colors. In the lighter shades each petal is distinctively tipped with maroon but the darker ones are tipped with a lighter color.
MIXED COLORS.....Pkt. 10c; ¼-oz. 50c

CROWN O'GOLD ZINNIA

Mixed Colors (New). An aristocrat in the Zinnia family. Each petal of the flower is overlaid with a deep golden yellow at the base and carrying out the individual flower color at the tip. The double flowers are large and in delightful shades of rose, cream, yellow, carmine red and pink.....Pkt. 10c

Strong --- Vigorous Flower Plants

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Plantabbs
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No waste. No Weeds. No Runoff. Uniform Feeding. Easy to use, immediate fertilization, economical. Guaranteed Analysis: Nitrogen, 11 per cent; Phosphoric Acid, 15 per cent; Potash, 20 per cent. The most concentrated plant food tablets on the market.

30 Tablets25c 75 Tablets50c
 200 Tablets\$1.00

for Better Flowers

feed them this complete,
balanced diet

VIGORO
Complete plant food



See Price List on Page 9



Knox's Lawn Grass Seeds

NU-GREEN Saves Lawns

1-lb. tin \$1.75

SAVE THIS CATALOG

TOO MUCH CARE CANNOT BE TAKEN IN THE SELECTION OF YOUR LAWN SEED

Feed Your

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Shrubby
Trees

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PRICES F. O. B. STOCKTON OR MODESTO

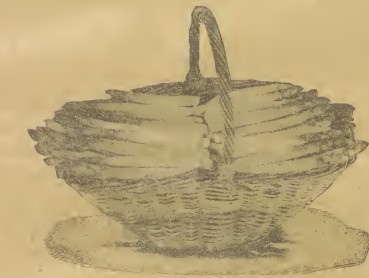
MONTHLY PLANTING GUIDE

VEGETABLES—Artichoke Plants, Asparagus Roots, Seeds of Beets, Brussels Sprouts, Cabbage, Chicory, Cress, Endive, Garlic, Horse Radish, Kale, Kohl Rabi, Leek, Lettuce, Mustard, Onions, Parsley, Parsnips, Peas, Potatoes, Radish, Rhubarb Roots, Salsify, Spinach (Winter), Turnips, Onion sets.

FLOWERS—Sow seeds of hardy annuals, Acroclium, A., B., C., D., E., F., G., H., I., J., K., L., M., N., O., P., Q., R., S., T., U., V., W., X., Y., Z.

+ VEGETABLE SEEDS +

In making up this catalog we have endeavored to limit the varieties to those that have proven themselves in this locality. In doing this we have omitted many novelties and unproven varieties. We know that experiments are costly and will assist any of our friends in making the proper selections for their territory.



Palmetto Asparagus
ASPARAGUS

One of the most delicious of all vegetables, and the earliest to be taken from the garden. Every garden, large or small, should have a bed of asparagus. A bed properly planted and cared for should last 3 or 10 years and 50 roots should supply the average family.

Plant seeds, preferably in a sandy loam, well mixed with stable manure. Rows should be from 3 to 6 feet apart and slightly below the surrounding ground. Cover seeds 1 to 2 inches. Sow thinly. One packet of seeds will sow about 20 feet of row and yield over 100 plants. If roots are planted, make trenches 18 inches deep and 3 to 6 feet apart and work in plenty of well-rotted manure or leaf mould or both. Set plants 12 to 16 inches apart in the trench and crowns 12 inches below the surface. Each fall top dress with a heavy coat of manure and work it into the soil in the spring. Keep the earth soft and loose over the crowns of the plants. The young shoots may be cut freely up to the green pea season and then left to grow. In the fall cut all the stalks close to the ground before applying the manure. Our asparagus roots are all strong, vigorous stock which will give quick results.

WASHINGTON ASPARAGUS SEED—This asparagus which has been selected by the United States Department of Agriculture has proven to be nearly rust free. The shoots are thick and heavy. They are long and straight, with closely folded tips. The color is rich, dark green, united darker at the tips. Packet, 10c; oz., 15c; ½ lb., 35c; lb., \$1.00; postpaid.

PALMETTO—This popular sort is one of the earliest and is an extremely uniform strain, producing finely flavored large stalks, nearly an inch in diameter but tender and delicious. Packet, 10c; oz., 15c; ½ lb., 35c; lb., \$1.00.

ASPARAGUS ROOTS—Ready in January. Two-year-old roots. 25c per doz., \$1.50 per 100; special price for 1,000. Postage, 40c per doz.; 40c per 100.

ARTICHOKES

The best way to get a good artichoke is to secure plants from old stalks of a good strain, as seedlings are not depended upon to produce any certain variety. One-half dozen is enough for a family garden.

Transplant five feet apart in rows seven feet apart. When the young plants are attacked by aphid spray with "Black Leaf 40". About the time the buds are well advanced the under leaves become a harbor for flies and aphids and ants. When this occurs break off all the under leaves, clear the ground of all rubbish and spray with "Black Leaf 40" and use ant poison. See Insecticide page. You will then have a long season of large, clean buds.

IMPROVED LARGE GREEN GLOBE—Produces large, globular heads, thick, succulent scales, the bottom of which the edible part. Boiled till tender, it makes a delicious dish. Packet, 10c.

ARTICHOKE ROOTS—Artichoke roots when one year old will produce an abundance of large delicious artichokes soon after transplanting. They are ready in January and can be planted as late as May. Save a year by planting vigorous roots a year or more old. \$1.00 per doz.; 10c each. Postage 2c each.



Green Globe Artichoke

BEANS, Dwarf or Bush

One pound will sow 100 feet of drill; 40 pounds are required for an acre. They will thrive in any good soil. Plant the seeds 2 inches deep and 3 inches apart, in rows 2 feet apart. Keep well cultivated, as no crop better repays extra labor in this direction. Write for special prices on larger quantities.

WAX PODDED VARIETIES

DWARF OR BUSH, GREEN PODDED VARIETIES

BOUNTIFUL—45 days. Very desirable home and market garden sort; particularly valuable for early shipping. Plant large, thrifty, prolific. Pods clear light green; 5½ in. long, over ½ in. wide, flat, ¾ in. thick; fleshy, very fibrous, strictly stringless, brittle and tender. Seeds 65 per oz.; solid straw yellow. Packet, 5c and 10c; ½ lb., 15c; lb., 25c; 5 lbs., \$1.00.

BLACK VALENTINE—53 days. Splendidly adapted for shipping, but too tough and fibrous to be recommended generally for home gardens. In California this bean is usually called "French String" and is grown by the market gardeners for the earliest bean and used when the pod is about the size of a thick shoe-string. Plant medium large, thrifty, hardy, mottled. Pods dark green, very uniform, symmetrical, nearly ½ in. wide and almost round; tough, stringy and fibrous; retain handsome color and firm texture long after picking. Seeds 10c per oz.; solid black. Packet, 5c and 10c; ½ lb., 15c; lb., 25c; 5 lbs., \$1.00.

BROAD WINDSOR LONG POD (Also known as Fava Bean and as Horse Bean; not a kidney bean.)—Late. Valuable for green shell use. Plant very large and erect, strictly bush. Pods glossy green; 5 in. long, ¼ in. broad, stout; 3 seeded; smooth. Green shell beans large, broad, flat, light green. Dry seeds very large; circular, flat; pale reddish-brown with black eye. Packet, 5c and 10c; ½ lb., 15c; lb., 25c; 5 lbs., \$1.00.

DWARF HORTICULTURAL SNAP Pods 53 days; green shell beans 60 days. Particularly desirable for snaps. Plant medium small, thrifty and productive. Pods dark green at snap stage, becoming greenish-yellow splashed with carmine; 5-¾ in. long, ¾ in. wide and flat at snap stage, becoming almost round at green shell stage; strictly stringless, slightly fibrous. Seeds 65 per oz.; plump oval pinkish-buff, spotted and streaked with purplish-red. Packet 5c and 10c; ½ lb., 15c; lb., 25c; 5 lbs., \$1.00.

FULL MEASURE—52 days. Unsurpassed for home and market garden. Plant large, thrifty, heavily productive. Pods medium green, 6-6½ in. long; ¾ in. thick, round; very fleshy, brittle and tender when young, but become somewhat fibrous and stringy. Seeds white mottled with buff. Similar to Giant Stringless Green Pod in general appearance and usefulness. Packet, 5c and 10c; ½ lb., 15c; lb., 25c; 5 lbs., \$1.00.

GIANT STRINGLESS GREEN POD—53 days. One of the best for home and market garden; very desirable for canning. Plant large, hardy, heavily productive. Pods me-

dium green, 6-6½ in. long, ¾-1 in. thick, round; very fleshy, brittle and stringless. Seeds 70 per oz.; glossy, reddish-brown. Variety similar to Full Measure. Packet, 5c and 10c; ½ lb., 15c; lb., 25c; 5 lbs., \$1.00.

REFUGEE OR 1000 1 (Sometimes called Late Refugee. Round Pod Refugee and Improved Refugee.)—70 days. Very popular canning and pickling sort. Plant large, hardy, extremely productive. Pods medium green, very uniform, 5½ in. long, ¾ in. thick, round, stringy at later stages; very fleshy, brittle and fine grained. Seeds 95 per oz.; dark violet-purple splashed with buff. Similar to Stringless Refugee, but pods somewhat stringy. Packet, 5c and 10c; ½ lb., 15c; lb., 25c; 5 lbs., \$1.00.

RID VALENTINE—52 days. One of the most dependable productive for home and market garden, unexcelled in quality for snaps. Plant medium sized, erect, compact, hardy. Pods medium green; 4½-5 in. long, ¾ in. thick; wider than thick, very slightly stringy; extremely fleshy; brittle, fine grained, tender. Seeds 80 per oz.; purplish-red splashed with buff; of irregular shape. Packet, 5c and 10c; ½ lb., 15c; lb., 25c; 5 lbs., \$1.00.

DWARF WAX OR YELLOW PODDED VARIETIES

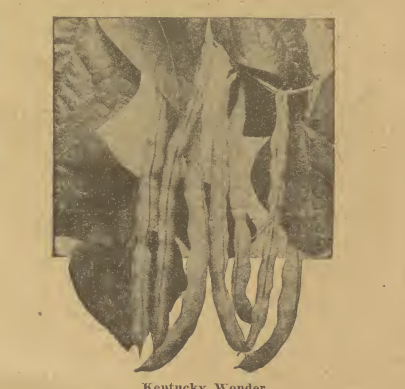
PENCIL POD WAX—52 days. Very desirable for home and market garden and for truckers. Plant large and thrifty; heavily productive over long period. Pods handsome bright yellow; 5½-6 in. long, ¾ in. thick, cylindrical; very fleshy, strictly stringless, brittle, fine grained and tender, quality unexcelled. Seeds black. Packet, 5c and 10c; ½ lb., 15c; lb., 25c; 5 lbs., \$1.00.

GOLDEN WAX—48 days. Splendid home garden variety; one of the most popular, also much used for canning. Plant small, productive. Pods very attractive; golden yellow; 4½-5 in. long, ¾ in. wide, thick, oval; fleshy, brittle, stringless. Seeds white, splashed with violet-car, mine and purple. Packet, 5c and 10c; ½ lb., 15c; lb., 25c; 5 lbs., \$1.00.

DAVIS WHITE WAX—52 days. Well adapted for shipping. Plant large and thrifty. Pods uniform and attractive; light yellow; 6 in. long, ¾ in. wide, thick, oval; fleshy and tender when young, but become somewhat fibrous and stringy. Seeds white and excellent for baking. Packet, 5c and 10c; ½ lb., 15c; lb., 25c; 5 lbs., \$1.00.

ROUND POD KIDNEY WAX (Also known as Brittle Wax)—52 days. Especially valuable for home garden and canning. Plant erect, medium large, prolific. Pods handsome, waxy light yellow; 5½-6 in. long; round, fully ½ in. thick; very fleshy, brittle, strictly stringless, without fibre; of highest quality. Seeds white with brownish-black eye. Packet, 5c and 10c; ½ lb., 15c; lb., 25c; 5 lbs., \$1.00.

FORDHOOK BUSH LIMA (Potato Lima)—75 days. Plant large, erect, heavily productive. Pods 4-4½ in. long; stout, ½ in. wide, ½ in. thick; contain 3 to 4 seeds. Green



Kentucky Wonder

SAVE THIS CATALOG

SEMESAN PREVENTS "DAMPING-OFF" DISEASES—USE IT TO SAVE PLANTS. SEE PAGE 19.

shell beans large, very plump, of the highest quality. Dry beans large and very plump, white. Packet, 5c and 10c; ½ lb., 15c; lb., 25c; 5 lbs., \$1.00.

HENDERSON'S BUSH (Baby Lima)—65 days. Very popular for canning. Plant medium large, heavily productive. Pods small; 3 in. long, ¾ in. wide, ¾ in. thick, contain 3 to 4 seeds. Green shell beans small, flat, of splendid quality. Dry beans white. This is the bush form of Small White Lima (Carolina or Sieva). Packet, 5c and 10c; ½ lb., 15c; lb., 25c; 5 lbs., \$1.00.

BURPEE'S IMPROVED BUSH—75 days. Plant large, heavily productive. Pods large, 4½-5 in. long, 1½ in. wide, ¾ in. thick; usually contain 4 large, thick beans. Green shell beans large, flat, greenish-white. Packet, 5c and 10c; ½ lb., 15c; lb., 25c; 5 lbs., \$1.00.

POLE OR RUNNING VARIETIES

BURGER'S GREEN POD STRINGLESS (Kentucky Wonder White Seeded)—63 days. Come garden or early market. Pods dark green, 6-7 in. long, slender; roundish; stringless, fleshy, brittle. Dry beans white; suitable for baking. Packet, 5c and 10c; ½ lb., 15c; lb., 25c; 5 lbs., \$1.00.

IMPROVED LONDON HORTICULTURAL—Snaps, 63 days; green shell beans, 74 days. Splendid for home and market garden. Good climber, thrifty, heavily productive. Pods green, 6 in. long, ¾ in. wide, thick, straight, stringless. Seeds large, pinkish-buff splashed with red. This is 4 to 5 days earlier than London Horticultural. Speckled Cranberry and pods are an inch longer. Packet, 5c and 10c; ½ lb., 15c; lb., 25c; 5 lbs., \$1.00.

KENTUCKY WONDER (Old Homestead)—65 days. Unexcelled for home and market garden. Excellent climber, thrifty, heavily productive. Pods medium green; 9 to 10 in. long, nearly round and ¾ in. in diameter; slightly stringy, very fleshy, brittle, tender. Seeds chocolate brown. Packet, 5c and 10c; ½ lb., 15c; lb., 25c; 5 lbs., \$1.00.

KENTUCKY WONDER WAX—67 days. Good climber, heavily productive. Pods waxy yellow; 8 in. long, ¾ in. wide, almost as thick as wax; practically stringless; fleshy, brittle, tender. Seeds chocolate brown. Packet, 5c and 10c; ½ lb., 15c; lb., 25c; 5 lbs., \$1.00.

LAXY WAX—74 days. Excellent for snaps, green shell and dry shell beans for home and market garden. Good climber, heavily productive. Pods medium green, 6-6½ in. long, ¾ in. wide, thick, straight; fleshy, stringless, brittle, tender. Seeds plump, white. Packet, 5c and 10c; ½ lb., 15c; lb., 25c; 5 lbs., \$1.00.

SCARLET KENNER—About in season with pole-limas. Good climber. Flowers scarlet, decorative. Pods dark green; 6 in. long; flat oval; fleshy; desirable for snaps and green shells. Seeds 25 per oz.; kidney-shaped, flat; dark purple spotted with reddish-buff. Packet, 5c and 10c; ½ lb., 15c; lb., 25c; 5 lbs., \$1.00.

WHITE CREASBACK—52 days. Splendid snap bean for home garden and early market. Good climber, heavily productive. Pods light green, 5½ in. long, ¾ in. wide, almost as thick; nearly stringless, very fleshy, brittle, tender. Seeds 120 per oz.; white; excellent for baking. Packet, 5c and 10c; ½ lb., 15c; lb., 25c; 5 lbs., \$1.00.

POLE LIMAS

SMALL WHITE LIMA (Carolina or Sieva)—78 days. Splendid climber, heavy yielding. Pods 3½ in. long, ½ in. wide, ½ in. thick, with 3-4 seeds. Green shell beans small, flat, of splendid quality. Seeds 60 per oz.; white. Aside from the climbing habit, later season, and slightly larger pods and seeds, this is similar to the bush form, Henderson's Bush Lima (Baby Lima). Packet, 5c and 10c; ½ lb., 15c; lb., 25c; 5 lbs., \$1.00.

KING OF GARDEN—An improved strain of Large White Lima. Plant tall, good climber, vigorous, heavily productive. Pods flat, smooth, with 4 to 5 beans. Seeds large, flat, white, 25 per oz. Probably the most widely used of all Pole Limas. Packet, 5c and 10c; ½ lb., 15c; lb., 25c; 5 lbs., \$1.00.

LEVIATHAN The earliest large-seeded Lima. Larger and more productive than Early Jersey or Siebert's Early. Plant 5 to 8 feet, vigorously climbing, prolific. Pods very straight, containing 5 to 6 beans. Seeds large, flat, dull white; 25 per oz. Packet, 5c and 10c; ½ lb., 15c; lb., 25c; 5 lbs., \$1.00.

BEET

Beets may be planted almost all the year around where the temperature does not drop below 25 degrees. Sow the seed one inch deep in well prepared, moist soil in rows eight or ten inches apart, or on ridges same as lettuce. Drill eight points of seed per acre. Thin out to one plant every three inches, and transplant the discarded plants in any convenient spot about the garden. The Egyptian is a small, dark red, flat, smooth variety. It is sweetest and best for the table. Irrigate about every two weeks, unless the nature of the soil is such that more frequent irrigation is found to be necessary. Much the soil after each irrigation. Beets are ready for use in ten weeks and continue in prime condition for another ten weeks. Two ounces of seed for 100 feet of row.



CROSBY'S
EGYPTIAN
BEET

TABLE VARIETIES

CROSBY'S EGYPTIAN (Original Strain)—50-55 days. Splendid home and market garden sort. Tops medium in size; collar small. Root flattened globe-shape, with small tap root; very dark purplish-red. Flesh deep purplish-red zoned with a lighter shade; crisp and tender. Packet 5c; ½ lb., 25c; lb., 50c.

DETROIT DARK RED—52-55 days. The standard of excellence in table beets for home and market garden. Shipping and for canning. Tops uniform, small, slender, erect. Roots globe-shaped; symmetrical, with small collar and small tap root; very dark blood-red. Interior very uniform in color. The zones so inconspicuous that the flesh seems to be one solid ball of deep blood-red meat; remains tender and of highest quality until roots are full grown. Packet, 5c; ½ lb., 25c; lb., 50c.

EARLY WONDER—55 days. Very desirable for home and market garden. Tops small. Root flattened globe-shape with small collar and tap root; dark purplish-

(Continued on Page 11)

red. Flesh deep purplish-red zoned a lighter shade. Packet, 5c; ¼ lb., 25c; lb., 90c.

EARLY ECLIPSE—55 days. For home and market garden. Tops small, erect, slender. Roots globe-shaped; dark purplish-red. Flesh bright purplish-red zoned with a lighter shade. Packet, 5c; ¼ lb., 25c; lb., 90c.

EARLY BLOOD TURNIP, IMPROVED—60 days. For home and market garden. Tops medium small, but fairly coarse. Roots deep turnip-shaped; dark purplish-red. Flesh deep purplish-red zoned with a lighter shade. Packet, 5c; ¼ lb., 25c; lb., 90c.

CRIMSON GLOBE—A main crop variety of medium season maturity, with large globe-shaped roots; flesh purplish-red with moderately prominent light zones; foliage medium green tinged with bronze. Packet, 5c; ¼ lb., 25c; lb., 90c.

MANGEL OR STOCK BEETS

DANISH RED GIANT ECKENFORD—Enormously productive. Roots very large, thick, cylindrical, compressed at mid-section; blunt; red above, rose below ground; grow largely above ground; easily harvested. Packet, 5c; ½ lb., 25c; lb., 45c; 5 lbs., \$2.00.

DANISH SLUSTRUP—Very high yielding. Roots long oval, orange colored; flesh white with faint yellow tinge. Packet, 5c; ½ lb., 25c; lb., 45c; 5 lbs., \$2.00.

GIANT HALF SUGAR, GREEN TOP—Roots long ovoid, grayish-white with light bronze-green shoulder; flesh white. Packet, 5c; ½ lb., 25c; lb., 45c; 5 lbs., \$2.00.

GIANT HALF SUGAR, ROSE TOP—Roots long oval, tapered, grayish-white with rose-colored shoulder; flesh white, rich in sugar. Packet, 5c; ½ lb., 25c; lb., 45c; 5 lbs., \$2.00.

KNOX'S IMPROVED CABBAGE

No special care or soil is required to grow cabbage as it will grow in any soil with proper cultivation, but good seed is extremely important with this crop. Like cauliflower and lettuce, it is not a good summer crop as it will not head up in extremely hot weather. For fall and winter summer sow in September and October. Transplant when the plants are about six weeks old 15 inches apart in rows 30 inches apart. To keep heads from splitting when ripe, loosen the plants a little at the roots.

FIRST EARLY VARIETIES
CHARLESTON OR LAUREL—71 days. Desirable for home and market garden. Head broad heart-shaped, 3 in. long, 7 in. broad at base, firm, commonly 4-5 lbs. Fully a week later.
WAKEFIELD—71 days. Desirable for home and market garden. Head broad heart-shaped, 3 in. long, 7 in. broad at base, firm, commonly 4-5 lbs. Fully a week later.
Jersey Wakefield. Packet, 5c; oz., 30c; ¼ lb., 80c; lb., \$2.75.

COPENHAGEN MARKET—66 days; distinctly and uniformly early. Splendid for early market and shipment; proving valuable as early kraut variety. Plant small, compact, allowing very close planting; stem short; heads uniformly round; firm; become 6-7 in. diameter, and weigh 3½-4 lbs. Interior clear white and of excellent quality. Packet, 5c; oz., 30c; ¼ lb., 80c; lb., \$2.75.

EARLY JERSEY WAKEFIELD—62 days. Extremely early variety, very valuable for home and market garden as well as for shipment. Plants very small and compact, allowing very close planting; stem short; heads conical, usually 5 in. long, 5 in. thick near base; firm and weigh 2-2½ lbs. Packet, 5c; oz., 30c; ¼ lb., 80c; lb., \$2.75.

GOLDEN ACRE—62-64 days. The earliest round headed cabbage; especially valuable for early market and shipment. Plants very small and compact; stem short; heads uniformly round; firm, commonly 6 in. in diameter and weigh 3 lbs. This is similar to Copenhagen Market but is several days earlier and the heads are smaller. It is practically as early as Early Jersey Wakefield. Packet, 5c; oz., 30c; ¼ lb., 80c; lb., \$2.75.

SECOND EARLY AND INTERMEDIATE VARIETIES
EARLY DUTCH—71 days. Splendid for home and market garden. Plants small and compact; stem short; heads almost ball-shaped; commonly 7-8 in. diameter, 8 in. deep and weigh 4½-5 lbs. Firm and of high quality. Packet, 5c; oz., 30c; ¼ lb., 80c; lb., \$2.75.

EARLY WINIGSTADT—77 days. Very hardy and dependable; particularly valuable for shipping as well as for home and market garden. Heads extremely firm; heart-shaped; become 8-10 in. long and 7-8 in. thick near base and weigh 5 lbs.; of splendid quality. Packet, 5c; oz., 30c; ¼ lb., 80c; lb., \$2.75.

GLORY OF ENKHEIZEN—75-80 days. Particularly valuable for kraut; also popular for home and market garden. Heads very large; globular; 8-9 in. diameter; firm, commonly weigh 6-8 lbs.; stem medium short. Packet, 5c; oz., 30c; ¼ lb., 80c; lb., \$2.75.

DANISH BALL HEAD—Danish Ball Head is the best late cabbage offered to the trade. The plants are medium sized with short stem. Heads large; flattened globe shape; become 8-9 in. across, 6-7 in. deep and weigh 7-9 lbs. Very firm and solid, of excellent quality and keep perfectly in storage until late spring. Packet, 5c; oz., 30c; ¼ lb., 80c; lb., \$2.75.

LATE OR AUTUMN AND WINTER VARIETIES

PREMIUM LATE FLAT DUTCH—105 days. The best very large, late cabbage; popular for home and market garden and for fall shipment; a good keeper. Heads very large and flat, but deep; become 12-14 in. across, 7 in. deep and weigh 12 to 14 lbs. or more; firm and of good quality. Packet, 5c; oz., 30c; ¼ lb., 80c; lb., \$2.75.

SAN FRANCISCO MARKET—Late, coarse leaved variety which forms large hard head. It remains remarkably long time in the field without bursting and thus provides marketable heads over a long period. Packet, 5c; oz., 30c; ¼ lb., 80c; lb., \$2.75.

MAMMOTH ROCK RED—90 days. The best red cabbage; splendid winter keeper. Heads round to slightly flattened globe shape; commonly 7 in. in diameter and weigh about 7 lbs.; very hard; deep purplish-red. Packet, 5c; oz., 30c; ¼ lb., 80c; lb., \$2.75.

SAVOY, IMPROVED AMERICAN—85 days. The best of the Savoy group for home use and market. Leaves blistered; stem short. Heads flattened globe shape; medium large, firm. Outside leaves yellowish-green; interior leaves crumpled, attractive light yellow-green of distinctive flavor. Packet, 5c; oz., 30c; ¼ lb., 80c; lb., \$2.75.

CHINESE CABBAGE

CHIHLL—Early and very early heading. Head becomes 18-20 in. tall, 3½-4 in. thick, tapered near tip, very firm, well blanched, crisp, tender and sweet. Superior to Chinese Improved or Pe Tsai. Packet, 5c; oz., 30c; ¼ lb., 80c; lb., \$2.75.

WONG BOK—Heads 8-10 in. tall; broad; firm. Well blanched, tender and of excellent quality. Packet, 5c; oz., 30c; ¼ lb., 80c; lb., \$2.75.

CARROTS

This delicious and nutritious vegetable is not appreciated as it should be. Properly cooked, it is a great delicacy. Its feeding qualities for stock are excellent. A sandy soil is best, but any good rich soil will produce good crops. Sow in early spring in rows fifteen to eighteen inches apart and thin to three or four inches, according to size of variety. Cover the seed only half an inch and give careful cultivation throughout the season. They may be eaten either when a half inch or so in diameter or when fully grown.

much used in home and market garden and for shipping bunched. Extensively grown for winter storage. Dependably heavy yielding. Roots deep reddish-orange; become 5½-6 in. long, 2½ in. thick at top; tapered; stump-rooted; flesh deep orange. Packet, 5c; oz., 10c; ¼ lb., 25c; lb., 90c.

CHANTENAY, RED CORED—70 days. This is a distinct improvement over the well known Chantenay, especially in color, texture and quality of flesh and has been accepted with much enthusiasm particularly by shippers of fresh vegetables and by canners. Roots deep reddish-orange; 5½-6 in. long, 2½ in. thick at the shoulder, tapered, stump-rooted; core reddish-orange, almost the same color as the flesh and so inconspicuous as to make the term "coreless" appropriate. Flesh fine grained and tender; of sweet, delicate flavor. Packet, 5c; oz., 10c; ¼ lb., 25c; lb., 90c.

DANVERS, HALF LONG—75 days. Very productive and popular for home and market garden; much used for shipping. Roots bright deep orange, 6-7 in. long, 1½ in. thick, uniformly tapered to the blunt end. Flesh bright orange, crisp and tender. Packet, 5c; oz., 10c; ¼ lb., 25c; lb., 90c.

FRENCH FORCING (Earliest Short Horn)—60 days. Valuable for forcing and for out-of-door culture for early market. Tops small. Roots reddish-orange; small, globular, become 1½ in. in diameter; flesh reddish-orange, of high quality. Packet, 5c; oz., 10c; ¼ lb., 25c; lb., 90c.

IMPERATOR—77 days. Roots 8 to 10 inches long, and 1½ to 2½ inches across a shoulder. Cylindrical in shape and usually well stump-rooted. Color deep orange. Packet, 5c; oz., 10c; ¼ lb., 25c; lb., 90c.

LONG ORANGE—85 days. A heavy cropper on light soils; much grown for stock. Roots scarlet-orange; 10-12 in. long, 2 in. thick at the top; tapered, pointed. Packet, 5c; oz., 10c; ¼ lb., 25c; lb., 75c.

NANTES, STUMP-ROOTED—68 days. Particularly desirable for frame culture and one of the best for home garden and early market. Tops small. Roots bright orange; 6-7 in. long, 1½ in. thick; cylindrical; stump-rooted. Flesh bright orange of highest quality; core inconspicuous, similar to much used under the term "coreless." Packet, 5c; oz., 10c; ¼ lb., 25c; lb., 90c.

OX-HEART OR GUERANDE—75 days to produce roots of good table size. Especially desirable for field culture on heavy soil; good keeper and much used for stock feed. Roots scarlet-orange; broad, blunt, heart-shaped; become 4½-5 in. long; easily harvested. Packet, 5c; oz., 10c; ¼ lb., 25c; lb., 90c.

KNOX'S FAMOUS CAULIFLOWER
Cauliflower is grown the same as cabbage, but requires more fertile soil, and like cabbage and lettuce, is not a good summer crop. There are two good seasons for sowing cauliflower seed; for fall and winter sow the seed in June and July, for spring sow in September and October. Transplant the plants when they are about six weeks old, and always keep them in a thriving condition. If large or old plants are used and if they are not kept growing constantly, some will head prematurely and others will go to seed.

CHANTENAY—70 days. Splendid general purpose carrot; much used in home and market garden and for shipping bunched. Extensively grown for winter storage. Dependably heavy yielding. Roots deep reddish-orange; become 5½-6 in. long, 2½ in. thick at top; tapered; stump-rooted; flesh deep orange. Packet, 5c; oz., 10c; ¼ lb., 25c; lb., 90c.

CHANTENAY, RED CORED—70 days. This is a distinct improvement over the well known Chantenay, especially in color, texture and quality of flesh and has been accepted with much enthusiasm particularly by shippers of fresh vegetables and by canners. Roots deep reddish-orange; 5½-6 in. long, 2½ in. thick at the shoulder, tapered, stump-rooted; core reddish-orange, almost the same color as the flesh and so inconspicuous as to make the term "coreless" appropriate. Flesh fine grained and tender; of sweet, delicate flavor. Packet, 5c; oz., 10c; ¼ lb., 25c; lb., 90c.

DANVERS, HALF LONG—75 days. Very productive and popular for home and market garden; much used for shipping. Roots bright deep orange, 6-7 in. long, 1½ in. thick, uniformly tapered to the blunt end. Flesh bright orange, crisp and tender. Packet, 5c; oz., 10c; ¼ lb., 25c; lb., 90c.

FRENCH FORCING (Earliest Short Horn)—60 days. Valuable for forcing and for out-of-door culture for early market. Tops small. Roots reddish-orange; small, globular, become 1½ in. in diameter; flesh reddish-orange, of high quality. Packet, 5c; oz., 10c; ¼ lb., 25c; lb., 90c.

IMPERATOR—77 days. Roots 8 to 10 inches long, and 1½ to 2½ inches across a shoulder. Cylindrical in shape and usually well stump-rooted. Color deep orange. Packet, 5c; oz., 10c; ¼ lb., 25c; lb., 90c.

LONG ORANGE—85 days. A heavy cropper on light soils; much grown for stock. Roots scarlet-orange; 10-12 in. long, 2 in. thick at the top; tapered, pointed. Packet, 5c; oz., 10c; ¼ lb., 25c; lb., 75c.

NANTES, STUMP-ROOTED—68 days. Particularly desirable for frame culture and one of the best for home garden and early market. Tops small. Roots bright orange; 6-7 in. long, 1½ in. thick; cylindrical; stump-rooted. Flesh bright orange of highest quality; core inconspicuous, similar to much used under the term "coreless." Packet, 5c; oz., 10c; ¼ lb., 25c; lb., 90c.

OX-HEART OR GUERANDE—75 days to produce roots of good table size. Especially desirable for field culture on heavy soil; good keeper and much used for stock feed. Roots scarlet-orange; broad, blunt, heart-shaped; become 4½-5 in. long; easily harvested. Packet, 5c; oz., 10c; ¼ lb., 25c; lb., 90c.

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Cauliflower is grown the same as cabbage, but requires more fertile soil, and like cabbage and lettuce, is not a good summer crop. There are two good seasons for sowing cauliflower seed; for fall and winter sow the seed in June and July, for spring sow in September and October. Transplant the plants when they are about six weeks old, and always keep them in a thriving condition. If large or old plants are used and if they are not kept growing constantly, some will head prematurely and others will go to seed.

CHANTENAY—70 days. Splendid general purpose carrot; much used in home and market garden and for shipping bunched. Extensively grown for winter storage. Dependably heavy yielding. Roots deep reddish-orange; become 5½-6 in. long, 2½ in. thick at top; tapered; stump-rooted; flesh deep orange. Packet, 5c; oz., 10c; ¼ lb., 25c; lb., 90c.

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FRENCH FORCING (Earliest Short Horn)—60 days. Valuable for forcing and for out-of-door culture for early market. Tops small. Roots reddish-orange; small, globular, become 1½ in. in diameter; flesh reddish-orange, of high quality. Packet, 5c; oz., 10c; ¼ lb., 25c; lb., 90c.

IMPERATOR—77 days. Roots 8 to 10 inches long, and 1½ to 2½ inches across a shoulder. Cylindrical in shape and usually well stump-rooted. Color deep orange. Packet, 5c; oz., 10c; ¼ lb., 25c; lb., 90c.

LONG ORANGE—85 days. A heavy cropper on light soils; much grown for stock. Roots scarlet-orange; 10-12 in. long, 2 in. thick at the top; tapered, pointed. Packet, 5c; oz., 10c; ¼ lb., 25c; lb., 75c.

NANTES, STUMP-ROOTED—68 days. Particularly desirable for frame culture and one of the best for home garden and early market. Tops small. Roots bright orange; 6-7 in. long, 1½ in. thick; cylindrical; stump-rooted. Flesh bright orange of highest quality; core inconspicuous, similar to much used under the term "coreless." Packet, 5c; oz., 10c; ¼ lb., 25c; lb., 90c.

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FRENCH FORCING (Earliest Short Horn)—60 days. Valuable for forcing and for out-of-door culture for early market. Tops small. Roots reddish-orange; small, globular, become 1½ in. in diameter; flesh reddish-orange, of high quality. Packet, 5c; oz., 10c; ¼ lb., 25c; lb., 90c.

IMPERATOR—77 days. Roots 8 to 10 inches long, and 1½ to 2½ inches across a shoulder. Cylindrical in shape and usually well stump-rooted. Color deep orange. Packet, 5c; oz., 10c; ¼ lb., 25c; lb., 90c.

LONG ORANGE—85 days. A heavy cropper on light soils; much grown for stock. Roots scarlet-orange; 10-12 in. long, 2 in. thick at the top; tapered, pointed. Packet, 5c; oz., 10c; ¼ lb., 25c; lb., 75c.

in. across and weigh 1½-2 lbs.; the standard of excellence in cauliflower. Packet, 10c; oz., 15c; ¼ lb., \$5.00; lb., \$17.50.

EXTRA EARLY DWARF ERUFURT—57 days. Standard very early variety for home, market garden and shipping. Plants dwarf, short stemmed. Heads snow white; roundish, compact, commonly weigh about 2 lbs. similar to Early Snowball, but usually a little later than our strain of that variety. Packet, 10c; oz., \$1.50; ¼ lb., \$5.00; lb., \$17.50.

VEITCH'S AUTUMN GIANT—90 days. The best of the late varieties. Plant large and upright. Leaves protect the heads, which are large, round, deep; commonly 6-8 in. across and weighs 2-2½ lbs.; pale creamy white and of good quality. Packet, 5c; oz., 5c; ¼ lb., \$1.50; lb., \$5.00.

BROCCOLI

CAULIFLOWER TYPE

December — The earliest strain; sown in July, transplanted in August, fine, large, white heads produced in November and December; usually does best from seeds planted direct in the field in July. Packet, 10c; oz., \$1.50; ¼ lb., \$5.00; lb., \$17.50.

January — Vigorous, stocky, compact plants that produce fine white, well protected heads during January and early February. Packet, 10c; oz., \$1.50; ¼ lb., \$5.00; lb., \$17.50.

February — Plant compact, bluish-green; produced very solid, long standing, fine heads of the finest quality during February. Packet, 10c; oz., \$1.50; ¼ lb., \$5.00; lb., \$17.50.

March — Newly developed plants of outstanding quality for harvest during the first half of March. Plants short stemmed and compact with dark waxy leaves. Heads large, well protected, very white and of finest quality. Packet, 10c; oz., \$1.50; ¼ lb., \$5.00; lb., \$17.50.

March Late — Produces fine white, well protected heads the latter part of March. Similar to St. Valentine (Early March), but about 2 weeks later. Packet, 10c; oz., \$1.50; ¼ lb., \$5.00; lb., \$17.50.

April — Produces large, firm white heads in April, having been sown about August 1 and transplanted in September. Packet, 10c; oz., \$1.50; ¼ lb., \$5.00; lb., \$17.50.

California Wonder — Preferred for maturing in January. Plants large with long leaves that protect the head, which is large, solid and fairly white, but coarser than Early Snowball Cauliflower. Packet, 10c; oz., \$1.50; ¼ lb., \$5.00; lb., \$17.50.

St. Valentine — Standard market variety for March shipment. Plants large with dark green, waxy leaves; heads large, solid, white and very well protected. Packet, 10c; oz., \$1.50; ¼ lb., \$5.00; lb., \$17.50.

CHRISTMAS CALABRESE GREEN SPROUTING

The leading variety for shippers, also used largely by market gardeners and in home gardens. A tall branching plant forms a central head of bluish green flower buds resembling a loose head of cauliflower. After the main head is removed, side branches continue to develop throughout the season, and frequently form small heads, which, with the stems, are cut and served in the same way as asparagus. It is a highly desirable, delicious vegetable, steadily gaining in favor. Packet, 5c; oz., 25c; ¼ lb., 75c; lb., \$2.50.

CHICORY

LARGE ROOTED OR COFFEE—Roots mature in 4-5 months. Dried roots used as substitute for and adulterant of coffee. Roots 12-14 in. long, 2½ in. thick at top; tapered. Packet, 5c; oz., 25c; ¼ lb., 75c; lb., \$2.50.

SMALL ROOTED OR RADICETTA—Fast growing annual; grown for tops, which are used for greens; tender flower shoots also used. Packet, 5c; oz., 25c; ¼ lb., 75c; lb., \$2.50.

WITLOOF OR FRENCH ENDIVE—One of the best and most attractive of salad vegetables; grown largely by market gardeners and shippers. The carefully trimmed roots when buried upright in damp sand and given the proper conditions each produce a handsome, compact cluster 4-5 in. long of blanched leaves, which are tender and have a rich, mildly acid flavor. Packet, 5c; oz., 25c; ¼ lb., 75c; lb., \$2.50.

CHIVES

ALLIUM SCHOENOPRASUM—Small perennial of the onion family; readily propagated from seeds; leaves used in salads and for flavoring soups and stews; flowering plant is decorative. Packet, 5c; oz., \$1.00; ¼ lb., \$3.00; lb., \$10.00.

COLIARDS

GEORGIA, SOUTHERN OR CREOLE—Non-heading form of the cabbage family very generally grown for greens in home and market gardens in the South. Plant 2-3 feet tall, erect, spreading, and with numerous large leaves; forms at the top a loose cluster or head of tender leaves. Packet, 5c; oz., 10c; ¼ lb., 30c; lb., 80c.

CHERVIL

CURLED—Similar to parsley, but of more delicate texture. Leaves bright, rich green; finely divided and curled; pungent, aromatic; used for garnishing and flavoring. Packet, 5c; oz., 15c; ¼ lb., 45c; lb., \$1.50.

SWISS CHARD

Swiss chard is one of the easiest vegetables to grow. Planted in the springtime it will grow one whole year before running to seed, and produce an abundance of green leaves the whole year. The broad, white stalks can be cooked like asparagus and the green leaves used the same as spinach. In picking always pick the largest outside leaves and the plant will continue to produce leaves from the center. It also one of the best greens to plant for poultry as it will produce more greens with less care and through a longer season than anything else.

WHITE—Grown for the leaves only, and cooked like spinach. The midrib is prepared like asparagus. It is hardy and productive with broad green leaves and large white midribs or spines of excellent quality; sown at different seasons of the year giving successive crops. Packet, 10c; oz., 15c; ¼ lb., 30c; lb., 75c.

LUCULLUS—A peculiarly delicious variety having green leaves which are remarkably crisp and curled. The savory-leaved cabbage. The chards are white and broad but not so broad as the common variety, although equally fine in flavor. Packet, 10c; oz., 15c; ¼ lb., 30c; lb., 75c.

ORDER BLANK ON PAGE 20

KNOX' CAULIFLOWER IS KNOWN AS THE BEST THROUGHOUT SAN JOAQUIN VALLEY

CELERY

Celery seed should be sown indoors from February 20th to April 20th, or out in April. Cover lightly. Keep the beds moist, almost to wetness, and the temperature should not exceed sixty degrees. Outdoors it is sometimes necessary to furnish partial shade with lattice work that admits about half the sunlight. Keep the small plants well watered and free from weeds. Transplant when four inches high, cutting off the tops as well as part of the roots. The soil must be rich with soil or else water should be available for irrigation. Transplant the last of June or first of July, although it is sometimes possible to mature a crop set out as late as the middle of August. In setting, dig trenches 5 inches deep, 2 feet apart. Plant 1 foot apart along both sides of trench. Water often and keep the weeds down by cultivation and hoeing. Blanching is done by heaping up soil with soil or else water should be available on each side of the rows and held in place by stakes or wire hoops at the top. The latter method is necessary when blanching in wet weather for the enemy market. Be careful not to disturb the plants while wet, as this increases the tendency to rust.

FLORIDA GOLDEN—A superior, very uniform, early variety developed from Golden Plume; particularly valuable for early spring and fall crops. Celery in Florida and for early fall celery in Northern sections. Plants 22-25 inches tall; 8 inches long; thick, hearted; packed readily in crates; edible stalks 8-10 inches long, blanch readily; thick, crisp stalks. Favorable. Packet, 5c; oz., 50c; 1/4 lb., \$3.00; 1/2 lb., \$11.00.

GIANT PASCAL—Matures late. Desirable for home and market garden. Plant large and compact. Leaf stalks long, thick and solid. Of unsurpassed quality, nutty flavor. Packet, 5c; oz., 50c; 1/4 lb., \$1.50; 1/2 lb., \$5.00.

GOLDEN DETROIT—The standard of excellence in the self-blanching class. Medium late and particularly valuable for shipping. A very uniform (pure line) selection of Dwarf Golden Self-Blanching. Plant heavy, compact, very full hearted; commonly 22 inches tall; edible stalks 6 1/2-8 inches long. Packet, 5c; oz., 50c; 1/4 lb., \$3.00; 1/2 lb., \$11.00.

GOLDEN PRINCE—FOR EARLY PLANTING—Very desirable for shipping. Plants early ready for use; full hearted; compact; with long, edible stalks that are thick, solid; blanch readily and are of rich, nutty flavor. Similar to Golden Plume or Wonderful, but has longer edible stalks. Packet, 5c; oz., 50c; 1/4 lb., \$1.50; 1/2 lb., \$5.00.

GOLDEN YELLOW SELF-BLANCHING DWARF—Standard market and shipping sort. Plants medium sized; stocky; 20-24 inch tall; 8 inches long; thick, solid, blanch readily and of sweet, nutty flavor. Packet, 5c; oz., 50c; 1/4 lb., \$1.50; 1/2 lb., \$5.00.

GOLDEN YELLOW SELF-BLANCHING TALL—Early and particularly desirable for home and market garden, though not so desirable for shipping as the dwarf type of Golden Yellow Self-Blanching. Plants fairly tall and compact with firm, thick stalks which blanch readily and of splendid quality. Packet, 5c; oz., 50c; 1/4 lb., \$1.50; 1/2 lb., \$5.00.

GOLDEN PLUME OR WONDERFUL—Early and very desirable for home and market garden. Plants medium sized; stocky, full hearted and compact; with thick solid stalks which blanch readily and are of the finest table quality. Packet, 5c; oz., 50c; 1/4 lb., \$1.50; 1/2 lb., \$5.00.

UTAH OR GOLDEN CRISP—An excellent variety for fall use, maturing about a week or ten days earlier than Giant Pascal. Plants sturdy, compact and exceptionally solid. Stems thick and blanch readily and of splendid quality. Packet, 5c; oz., 50c; 1/4 lb., \$1.50; 1/2 lb., \$5.00.

WHITE PLUME—Valuable for early market. Foliage green tinted with pink and foliage blanch very readily to snowy-white. Packet, 5c; oz., 50c; 1/4 lb., \$1.50; 1/2 lb., \$5.00.

CELESTIAL, LARGE SMOOTH PHAEGE—Turnip-rooted celery. Plants 5-6 feet tall; 8 inches long; thick, smooth; stalks hollow, dark green. Packet, 5c; oz., 50c; 1/4 lb., \$1.50; 1/2 lb., \$5.00.

SWEET CORN

One of the garden's sweetest vegetables. Plant from February 15th to August 1st, in rows 3 feet apart, drop 6 or 7 kernels in hills 18 inches in the row and thin out to two of the best ears. Plants in each hill when about 5 inches high. Break off all side shoots except the two top ones as they will produce the largest and best ears. Corn is at its very best when picked and eaten within 10 days after it is extremely important that it be picked just at the right time, especially when not too old. Frequent plantings of several varieties in succession will keep a good supply available all summer.

SWEET OR TABLE VARIETIES
ALAMEDA SWEET

—95 days. The standard market variety used in California and the most reliable for climatic conditions here; developed by selection by the market gardeners in Alameda County, California, from Early Mammoth. Plants short and stocky with large dark green leaves; ears 10 to 14 rows, snowy white, of excellent quality and very sweet. Ears 7 1/2-8 in. long; 5 and 10c; 1/4 lb., 15c; 1/2 lb., 25c; 5 lbs., \$1.00.

BANTAM EVERGREEN (Golden)—95 days. Thrifty, productive, valuable for canning and market. Stalks 6-7 feet tall. Ears 14-18 rows of 14-18 rows of deep, compact kernels that are rich golden cream in color, of good flavor, and have the "Evergreen" quality of remaining in table condition a long time. Packet, 5c and 10c; 1/4 lb., 20c; 1/2 lb., 35c; 5 lbs., \$1.50.

BLACK MEXICAN—95 days. Home garden variety of splendid quality. Plants 6 1/2 feet tall. Ears 8-9 in. long; 8 rows; very uniform; tender and sweet. Ears 7 1/2-8 in. long; tender and of a rich sweet flavor; become uniform blue-black when ripe. Packet, 5c and 10c; 1/4 lb., 20c; 1/2 lb., 35c; 5 lbs., \$1.50.

COUNTRY GENTLEMAN—110 days. Heavy yielding variety with Evergreen character. Valuable for home, market garden and especially for canning. Plants 6 1/2-7 ft. tall, commonly with 14-16 rows. Ears 7 1/2-8 in. long; 2 in. thick; set solid with irregular rows of kernels. These are white; shoe-peg form, very deep, sweet and tender. Packet, 5c and 10c; 1/4 lb., 20c; 1/2 lb., 35c; 5 lbs., \$1.50.

EARLY EVERGREEN—98 days. Very valuable canning and market sort about 1 week earlier than Stowell's Evergreen, from which it was developed. Plants 6 1/2-7 ft. tall. Ears about 7 1/2 in. long, 2 1/2 in. thick with 14-20 rows of very deep, white, sweet, tender kernels that remain fresh and tender remarkably long. Packet, 5c and 10c; 1/4 lb., 20c; 1/2 lb., 35c; 5 lbs., \$1.50.

GOLDEN BANTAM—93 days. The best strain of Golden Bantam offered to the trade. As early as Sunshine and of incomparably better quality. Plants 6 1/2-7 ft. tall; very productive, commonly bearing 2 ears, Ears 6-7 in. long; strictly 8 rows; very uniform. Kernels rich golden yellow, very tender and sweet. Ears 7 1/2-8 in. long; 5 and 10c; 1/4 lb., 20c; 1/2 lb., 35c; 5 lbs., \$1.50.

GOLDEN SUNSHINE—78 days. Comparatively new early sweet corn of medium size for home and market garden. Plants 5 1/2-6 ft. tall. Ears commonly 6 1/2-7 1/2 in. long and 10-12 rows; of good quality. Packet, 5c and 10c; 1/4 lb., 20c; 1/2 lb., 35c; 5 lbs., \$1.50.

HOVLIN—90 days. Vigorous, heavily productive sort particularly valuable for market gardeners and truckers. Plants 4 1/2-5 feet tall. Ears 7-7 1/2 inches

long, 12 rows. Kernels milky white and of good, sweet flavor. Packet, 5c and 10c; 1/4 lb., 20c; 1/2 lb., 35c; 5 lbs., \$1.50.

MAMMOTH WHITE CORN—79 days. Valuable early home and market garden sort. Plants 4 ft. tall, commonly bear 2 ears. Ears 6-7 in. long; uniformly 12 rows. Kernels white, sweet and tender. Packet, 5c and 10c; 1/4 lb., 20c; 1/2 lb., 35c; 5 lbs., \$1.50.

OREGON EVERGREEN—95 days. Earlier than Stowell's and like the latter in color and sweet. It is very popular in Southern California for producing corn through the winter. It is a good canning variety and also a good late corn in the North. Ears 12 to 18 rows; kernels pure white; husks firm and strong, protecting the ear in a large measure from the corn ear worm and allowing long distance shipping. It will remain in good edible condition longer than the average variety. Packet, 5c and 10c; 1/4 lb., 20c; 1/2 lb., 35c; 5 lbs., \$1.00.

STOWELL'S EVERGREEN—105 days. Standard late variety, nearly equal to the early variety. Packet, 5c and 10c; 1/4 lb., 20c; 1/2 lb., 35c; 5 lbs., \$1.00.

WHIPPLE'S EARLY YELLOW—85 days. An excellent early yellow corn of good size and fine quality. Plants 5 1/2 to 6 feet tall. Ears 12 to 18 inches long, 14 rows with broad, deep kernels. Packet, 5c and 10c; 1/4 lb., 20c; 1/2 lb., 35c; 5 lbs., \$1.00.

CUCUMBER

Plant from February 15th to July 15th in hills 4 feet apart each way, dropping from 8 to 10 seeds per hill, and cover an inch deep. When they are about 5 inches high and danger of insects is past, thin out, leaving only four of the largest and healthiest plants in each hill. Cucumbers are extremely easy to grow and a few hills will produce an abundance for an average family. They are of very rapid growth and mature in 20 to 30 days after planting. Keep the crop picked, when large enough for use, whether required or not; otherwise, if left to ripen, they will stop bearing.

SPLENDID PICKLING—60 days. Splendid pickling and slicing sort. Fruits medium dark green; black spined; 6-7 in. long; 2 1/2 in. thick; cylindrical; symmetrical; only slightly tapered. Packet, 5c; oz., 15c; 1/4 lb., 50c; 1/2 lb., \$1.50.

CHICAGO PICKLING—60 days. Valuable pickling and slicing variety. Fruits deep medium green; black spined; 6-7 in. long; 2 1/2 in. thick; cylindrical; symmetrical; only slightly tapered each end; uniform. Packet, 5c; oz., 15c; 1/4 lb., 50c; 1/2 lb., \$1.50.

DAVIS PERFECT—68 days. Splendid dark green slicing variety particularly valuable for shipping. Fruits very dark green, retaining color long after picking; white spined; 9-11 in. long; 2 1/2 in. thick; somewhat tapered at both ends; very uniform. Packet, 5c; oz., 15c; 1/4 lb., 50c; 1/2 lb., \$1.50.

EARLY CLUSTER—56 days. Very fine pickling sort, very popular among early slicers. Fruits medium dark green; black spined; 5 1/2 in. long; 2 1/2 in. thick; cylindrical; symmetrical; only slightly tapered. Packet, 5c; oz., 15c; 1/4 lb., 50c; 1/2 lb., \$1.50.

EARLY FORTUNE—68 days. One of the most desirable slicing sorts; extensively grown for shipping. Fruits very dark green, color retained a long time after harvest. Fruits medium dark green; black spined; 9 in. long; 2 1/2 in. thick; only slightly tapered; very uniform. Packet, 5c; oz., 15c; 1/4 lb., 50c; 1/2 lb., \$1.50.

EARLY SHORT GREEN OR EARLY FRAME—56 days. Splendid for pickling and for slicing. Fruits dark green for home garden. Fruits bright medium green; black spined; 6-7 in. long; 2 1/2 in. thick; uniform; blunt. Packet, 5c; oz., 15c; 1/4 lb., 50c; 1/2 lb., \$1.50.

EVERGREEN WHITE SPINE—66 days. Splendid slicing variety for home garden, market garden and shipping. Fruits very dark glossy green; 8-10 in. long; 2 1/2 in. thick; cylindrical; blunt; very uniform. Packet, 5c; oz., 15c; 1/4 lb., 50c; 1/2 lb., \$1.50.

EARLY WHITE SPINE—60 days. The most popular white spined cucumber for the home garden; extremely good for shipping. Fruits medium dark green; remain in good condition remarkably long; 7 in. long; 2 1/2 in. thick; slightly tapered; blunt. Packet, 5c; oz., 15c; 1/4 lb., 50c; 1/2 lb., \$1.50.

IMPROVED LONG GREEN—72 days. The most popular and one of the best for the home garden; particularly desirable for shipping. Fruits medium dark green; 12 in. long; 2 1/2-3 in. thick; straight; cylindrical; with few seeds. Packet, 5c; oz., 15c; 1/4 lb., 50c; 1/2 lb., \$1.50.

KLONDIKE—60 days. Very popular for shipping. Fruits handsome; very dark green; white spined; 7-8 in. long; 2 1/2 in. thick; cylindrical. Packet, 5c; oz., 15c; 1/4 lb., 50c; 1/2 lb., \$1.50.

LEMON—65 days. Of superior quality for slicing and general salad use; fine for pickles. Fruits deep lemon yellow; black spined; become 3-3 1/2 in. long and almost as thick; blunt. Packet, 5c; oz., 15c; 1/4 lb., 50c; 1/2 lb., \$1.50.

LONGFELLOW WHITE SPINE—72 days. Particularly valuable for shipping. Fruits handsome; extremely dark green over entire surface; retain the color remarkably long after picking; white spined; 12-14 in. long; 2 1/2-3 in. thick; straight, well filled at ends; very few seeds. Packet, 5c; oz., 15c; 1/4 lb., 50c; 1/2 lb., \$1.50.

SNOW'S PICKLING—82 days. Extremely early and prolific. Best and most popular variety for small pickles. Fruits dark green at picking size; black spined; become 5 in. long; 2 1/2-3 in. thick; symmetrical; blunt ended. Packet, 5c; oz., 15c; 1/4 lb., 50c; 1/2 lb., \$1.50.

STAY'S GREEN—60 days. Splendid for shipping. Fruits rich dark green and retain the color long after picking; white spined; 7-8 in. long; 2 1/2-3 in. thick; only slightly tapered; full at both ends. Packet, 5c; oz., 15c; 1/4 lb., 50c; 1/2 lb., \$1.50.

SMALL GHERKIN—Of superior quality for pickles. This is the true West India gherkin, which is a species distinct from the true cucumber. Very prolific. Fruits for pickles are produced in about 60 days. Fruits pale green, prickly over entire surface; become 1 1/2-2 in. long; oval; very uniform; seeds numerous and small. Packet, 5c; oz., 15c; 1/4 lb., 50c; 1/2 lb., \$1.50.

DANDELION

IMPROVED THICK LEAVED—Very superior strain. Makes vigorous, very compact growth. Produces a spreading rosette of leaves 18 to 24 in. across; leaves very numerous, thick in texture and blanch readily. Packet, 5c; oz., 75c; 1/4 lb., \$2.00.

EGGPLANT

BLACK BEAUTY—Popular home and market sort. Plants thrifty, 24-30 in. tall, commonly bear 4 to 6 large fruits, which are smooth, large eggs and of uniform, very rich dark purple and retain the color a long time. Packet, 5c; oz., 50c; 1/4 lb., \$1.50; 1/2 lb., \$5.00.

LARGE BLACK BEAUTY—The standard home and market sort. Plants are large, 30-36 in. tall; very productive, commonly bearing 4-6 or more large, handsome, dark purple, symmetrical, broad, egg-shaped fruits. Packet, 5c; oz., 50c; 1/4 lb., \$1.50; 1/2 lb., \$5.00.

ENDIVE

BROAD LEAVED BATAVIAN OR ESCAROLLE—Grown in market garden and for shipping. Plants large; leaves broad, thick, somewhat twisted; heart compact; blanches readily. Packet, 5c; oz., 50c; 1/4 lb., \$1.50; 1/2 lb., \$5.00.

GREEN CURLED, GREEN REBBER—A variety with deeply cut leaf margins, but not curled as is Moss Curled. It is a medium sized variety, which matures well at the heart in late summer and fall. The middle ribs are pure green. Packet, 5c; oz., 15c; 1/4 lb., 50c; 1/2 lb., \$1.00.

LARGE GREEN CURLED, PINK REBBER (Also known as Large Curled). A variety with a coarsely toothed variety of good size, which forms a good heart in the late fall. The mid-rib or leaf stem is tinged with rose. Packet, 5c; oz., 15c; 1/4 lb., 50c; 1/2 lb., \$1.00.

GARLIC

BULBS—The bulbs are composed of numerous "cloves" or divisions inclosed in a common base by papery husks. These "cloves" are used in the manner of onion "sets" for propagation.

AROMATIC, MEDICINAL AND POT HERBS

ANISE (*Pimpinella anisum*)—Annual, 12-18 in. tall; chiefly grown for aromatic seeds used in flavoring. (Not the same as *Pimpinella* officinalis, which is sometimes called Sweet Anise). Packet, 5c; oz., 15c.

BALM (*Melissa officinalis*)—Low perennial growth for fragrant leaves, which suggest lemon; yields valuable oil for medicinal purposes. Packet, 5c; oz., 30c.

BASIL, SWEET (*Ocimum basilicum*)—Annual, 20-24 in. tall; entire plant has somewhat spicy aroma; used for seasoning; oil used in perfumes. Packet, 5c; oz., 25c.

BORAGE (*Echium officinale*)—Coarse, hairy annual 2 feet tall; large, thick leaves used as pot herb and for flavoring; blue flowers highly decorative and used for garnishing; good bee plant. Packet, 5c; oz., 25c.

CARROT (*Daucus carota*)—Biennial; produces rosette of leaves similar to carrot first year, and branched flowering stems 24 in. tall the second year; grown chiefly for aromatic seeds and volatile oil. Packet, 5c; oz., 25c.

CORIANDER (*Coriandrum sativum*)—Annual, 15 in. tall; grown for seeds which are used in medicine and by bakers and confectioners for flavoring. Packet, 5c; oz., 15c.

DILL, MAMMOTH (*Anethum graveolens*)—Annual, about 2 ft. tall; of strong aromatic odor; leaves pungent flavor; chiefly grown for seed clusters, used in making dill pickles. Packet, 5c; oz., 15c.

FENNEL, SWEET (*oeniculum officinale*)—Perennial usually treated as annual; 2-4 ft. tall; of aromatic odor and sweet pungent flavor; seeds used for flavoring confections and medicines; differs chiefly from Florence Fennel in not having swollen leaf bases. Packet, 5c; oz., 15c.

HOREHOUND (*Marrubium vulgare*)—Hardy, branched, spreading perennial of strong aromatic odor; leaves used for seasoning and extract used in medical preparations. Packet, 5c; oz., 30c.

LAVENDER (*Lavandula spicata*)—Half hardy perennial, 2-2 1/2 ft. tall, of a delicate aromatic odor; flower stalks raised; used in perfume and to scent linens in the home. Packet, 5c; oz., 25c.

MARJORAM, SWEET (*Origanum marjorana*)—Tender, bushy perennial, 12 in. high, of aromatic odor and pungent flavor; chiefly grown for tender young leaves, used in seasoning. Packet, 5c; oz., 35c.

ROSEMARY (*Rosmarinus officinalis*)—Hardy perennial, 2 ft. tall, of fragrant odor and warm, bitter flavor; leaves used in medicine and extracted oil used in perfumery. Packet, 5c; oz., 30c.

RUE (*Ruta graveolens*)—Hardy, somewhat bushy perennial, 1 1/2-2 ft. tall; of a peculiar unpleasant odor and bitter acrid flavor; used chiefly in medicine. Packet, 5c; oz., 35c.

SAGE, BROAD LEAF (*Salvia officinalis*)—Hardy, spreading perennial; 12-15 in. tall; of strong, pleasant aromatic odor; leaves used for seasoning and culinary purposes; commonly used of all the herbs for seasoning. Packet, 5c; oz., 35c.

SATORY, SUMMER (*Satureia hortensis*)—Annual about 15 in. tall; entire plant aromatic; very popular for seasoning. Packet, 5c; oz., 15c.

THYME (*Thymus vulgaris*)—Hardy perennial; about 10 in. tall; of strong agreeable aromatic odor and pungent flavor; used in medicine and for seasoning culinary preparations. Packet, 5c; oz., 30c.

WORMWOOD (*Artemisia abanthium*)—Hardy perennial forming large rosette first year and branched flowering stem 4 ft. tall the second year; of fragrant spicy odor and intensely bitter flavor; used as a tonic, vermifuge and sometimes for seasoning. Packet, 5c; oz., 30c.

FENNEL

FLORENCE (Sweet Anise)—Grown in home and market gardens. Plant 3 1/4-4 ft. tall. Chiefly grown for the bulb-like structure formed by the enveloping thickened bases of the stalks of the lower leaves. This is aromatic and of a delicate sweet flavor. Sweet Fennel is quite different and forms no "bulbs." Packet, 5c; oz., 20c; 1/4 lb., 50c; 1/2 lb., \$2.00.

HORSE RADISH

SMALL ROOTS, MALINEER-KREN—Never propagated from seeds. Very generally grown in home gardens and on a large scale in certain sections for the manufacture of relish. Malineer-Kren is an improved variety which produces thrifter, larger plants with larger roots than common horse radish, 5c each; 50c dozen; \$4.00 per 100.

KALE OR BORECOLE

DWARF GREEN CURLED—Very hardy. Plants become 12-15 in. tall with 30 in. spread; compact. Leaves deep yellowish green; large, curled and compact; plum-like. Packet, 5c; oz., 20c; 1/4 lb., 35c; 1/2 lb., \$1.00.

JERSEY OR THOUSAND HEADED—Immensely productive sort much grown for chicken feed and for stock. Plants tall, sometimes 6 feet high; of 6 or more, more branched and tree-like and bear an abundance of thick, smooth, deep green leaves. Packet, 5c; oz., 20c; 1/4 lb., 35c; 1/2 lb., \$1.00.

TALL GREEN CURLED SCOTCH—Very hardy. Plants upright, 30 in. tall, with numerous large, deep yellowish-green, finely curled, compact plum-like leaves. Aside from the stalks of the lower leaves. This is aromatic and of a delicate sweet flavor. Dwarf Green Curled, Packet, 5c; oz., 20c; 1/4 lb., 35c; 1/2 lb., \$1.00.

LEEK

GIANT MUSSELBURG—Early. Very large with long white stem and large, medium green leaves. Not so hardy as Monstrous Carentan. Packet, 5c; oz., 25c; 1/4 lb., 75c; 1/2 lb., \$2.50.

LARGE FLAG—Early. A popular gardener's variety, with long, thick, well-blanching stems. Leaves a trifle lighter green than those of Monstrous Carentan. Similar to London or American Flag. Packet, 5c; oz., 25c; 1/4 lb., 75c; 1/2 lb., \$2.50.

MONSTROUS CARENTAN—A very popular variety; very hardy. The pure white stem is a trifle longer but not as thick as Large Roan. Dark green leaves. Packet, 5c; oz., 25c; 1/4 lb., 75c; 1/2 lb., \$2.50.

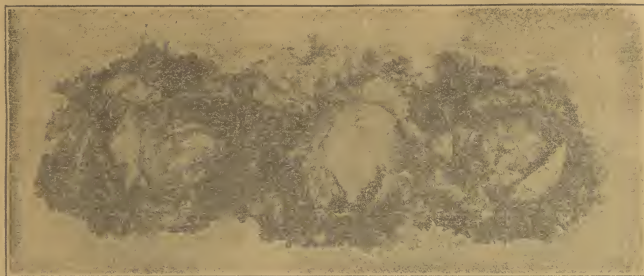
KOHL RABI

EARLY PURPLE VIENNA—95 days. Standard early sort. Plants small, leaves dark green with profuse purple staining. Bulbs flattened globe-shape, best for use when 2-2 1/2 in. diameter, but become larger; exterior purple, but flesh white, mild, crisp and tender. Packet, 5c; oz., 25c; 1/4 lb., 75c; 1/2 lb., \$2.50.

EARLY WHITE VIENNA (for forcing).—Produces bulbs of 2 1/2 in. in diameter 55-60 days after seed is sown out of doors. The standard sort for forcing and for home and market garden use. Plants very small, leaves medium green. Bulbs flattened globe-shape, pale green; used when 2-2 1/2 in. diameter, but become larger; exterior white, mild, crisp and tender. Packet, 5c; oz., 25c; 1/4 lb., 75c; 1/2 lb., \$2.50.

SAVE THIS CATALOG

INSECTICIDE SPRAYS SUITABLE FOR VEGETABLE GARDENS ON PAGE 19. USE THEM FOR BETTER CROPS.



New York Wonderful or Los Angeles

KNOX'S LETTUCE

The ground for lettuce should be prepared the same as celery, that is, trenches should be dug about 5 inches deep and 2 feet apart. If seed is used it should be drilled 1 inch deep along the edges and both sides of the trench. When the plants are about 1 inch high they should be thinned to 12 inches apart, and the plants that are pulled can be transplanted to other parts of the garden. When irrigating, run the water at the bottom of the trenches, let it stand and sub-irrigate. Do not under any circumstances allow the water to cover the plants, as it will cause Stem Rot.

LETTUCE—HEADING VARIETIES

IMPERIAL NO. 2—50-A selection of the resistant No. 2. Resistant to brown blight. It is a refined and even strain and is recommended for maturity in Imperial Valley, California, during January and February and for Central California in the fall. General description same as New York. Packet, 5c; oz., 25c; ¼ lb., 50c; lb., \$1.50.

IMPERIAL F—Seems to be the best of the Imperial types. Has few outside leaves, forms fine heads and is quite early. It grows rather upright; leaves are bright green, well savored, but only slightly serrated at the edges. Packet, 5c; oz., 25c; ¼ lb., 50c; lb., \$1.50.

CALIFORNIA CREAM BUTTER, b. s.—75 days. Popular over the entire country, particularly with market gardeners; especially valuable for cool season culture. Plant large with thick, dark green leaves tinged with brown and spotted. Forms very large, globular head which is rich golden yellow inside, buttery and of best quality. Packet, 5c; oz., 15c; ¼ lb., 35c; lb., \$1.00.

NEW YORK SPECIAL, w. s.—The most largely used lettuce in the world; grown in immense quantities on the Pacific Coast and shipped to all parts of the country in refrigerator cars. Plant large, dark green, crisp heading, with large outer leaves which are notched and slightly curled on the edges; large, tightly folded cabbage-like head which is well blanched, crisp and sweet. Our Special is a strain of regular New York carefully selected for several generations. Packet, 5c; oz., 15c; ¼ lb., 35c; lb., \$1.

NEW YORK SPECIAL NO. 41—A strain with wrapper leaves which fold over the heads and protect it from sun and fog burn. It is a finely bred selection, runs very true, almost perfect, and is popular with the shippers for fall and winter use. Packet, 5c; oz., 15c; ¼ lb., 35c; lb., \$1.00.

NEW YORK SPECIAL NO. 12—An early variety which does well in midsummer and is an even and well-bred selection. It is a trifle lighter in color than other strains of New York, but is popular with the shippers. Packet, 5c; oz., 15c; ¼ lb., 35c; lb., \$1.00.

COS OR ROMAINE LETTUCE

DARK GREEN, w. s.—A medium large, dark green variety which forms a good sized, firm, well folded head. Packet, 5c; oz., 15c; ¼ lb., 35c; lb., \$1.00.

WHITE PARIS SELF-FOLDING, w. s.—77 days. Most popular variety for the home and market garden; the best for forcing. Plants medium large and upright; medium light green with firm, spoon formed straight edged outer leaves and upright, long-shaped, well formed firm head; 8-9 in. tall, which is whitish-green inside with heavy, white, brittle midribs; hard and crisp in texture but very sweet and considered by some the standard of excellence in lettuce. Packet, 5c; oz., 15c; ¼ lb., 35c; lb., \$1.00.

MUSKMELON OR CANTALOUPE

One Ounce Will Plant 50 Hills.

Ask for Quantity Price.

After danger of frost is past, the ground being warm and in good condition, plant in rich soil, preferably sandy loam, in hills about 4 to 6 feet apart, according to the vigor of the variety and richness of the soil. Plant eight to ten seeds to the hill. Cover firmly with about 1 inch of fine soil. When plants begin to crowd and the danger from the striped beetle is over, thin out, leaving only the four strongest plants to the hill. Give shallow cultivation frequently, and runners should be cut off to make this imperative. The quality of melons is dependent largely upon weather conditions and the vigor of vines; unfavorable weather and unhealthy vines produce a poorly flavored fruit. To induce early fruiting, pinch the ends of laterals.

ORANGE FLESHED VARIETIES

BURRELL'S GEM—100 days. A name under which Defender has achieved wide popularity; also known as Orway Pink Meat. Generally considered the standard of excellence in shipping melons. Fruits oval; 6½ in. long, 4½ in. diam. and with uniform heavy netting. Flesh very thick; rich orange-yellow; sweet and aromatic. Packet, 5c; oz., 15c; ¼ lb., 35c; lb., \$1.00; 5 lbs., \$4.50.

HALE'S BEST—86 days. The earliest shipping melon and most valuable recent contribution to the melon shipping industry. This is the variety so extensively planted in Southern California and other melon growing districts of the Southwest for early shipping. Of outstanding merit for home and market garden use. Fruits broad oval; 6½ in. long by 5½ in. diameter; ribbing indistinct; entirely covered with heavy netting. Flesh very thick; salmon-orange; of sweet aromatic flavor. Packet, 5c; oz., 15c; ¼ lb., 35c; lb., \$1.00; 5 lbs., \$4.50.

HEATS OF GOLD—100 days. Standard shipping melon; very popular with market gardeners. Fruits 5½-6 in. long; almost round; with indistinct furrows covered with grayish netting. Flesh very thick; deep salmon-orange; fine grained; sweet, juicy and of rich aromatic flavor. The same as Improved Hoodoo. Packet, 5c; oz., 15c; ¼ lb., 35c; lb., \$1.00; 5 lbs., \$4.50.

IMPROVED PERFECTO—90 days. Excellent shipping and market gardeners' melon; immensely productive. Fruits 5½ in. long, almost round; very uniform; solidly grained with grayish netting; indistinct ribbing. Flesh extremely thick; rich deep salmon-orange; fine grained; juicy, sweet and of excellent aromatic flavor. Packet, 5c; oz., 15c; ¼ lb., 35c; lb., \$1.00; 5 lbs., \$4.50.

HONEY ROCK (or Sugar Rock) Newly developed, somewhat variable variety which is increasing in popularity among market gardeners and shippers. Fruits 5-6 inches in diameter, round to slightly flattened; coarse-netted; rind very hard and brittle; flesh medium thick, deep salmon color, juicy and of a sweet musky flavor. Comparatively little loss of fruits due to "growth cracks" during the ripening season. Packet, 5c; oz., 15c; ¼ lb., 35c; lb., \$1.00; 5 lbs., \$4.50.

PERSIAN, SMALL—115 days. Requires long season to attain perfection; widely grown for market in California. Fruits globular, 6-8 in. diameter; skin very dark green; netted. Flesh thin, bright orange; of distinct, delightful flavor when melons are fully ripe. Packet, 5c; oz., 25c; ¼ lb., 75c; lb., \$1.50; 5 lbs., \$6.25.

TIP TOP—86 days. Very profitable and most popular melon for nearby markets. Fruits large, roundish to broadly-ovoid, commonly 7½ in. long; skin slate-green ripening to yellowish; furrowed, but sparsely netted. Flesh thick; salmon-yellow; very juicy, sweet and of good rich flavor. Packet, 5c; oz., 15c; ¼ lb., 35c; lb., \$1.00; 5 lbs., \$4.50.

GREEN FLESHED VARIETIES

NETTED GEM OR ROCKY FORD—92 days. Well known, widely cultivated shipping and market garden sort. Fruits small; oval; about 5 in. long, 4½ in. diameter; show no ribbing; entirely covered with grayish netting. Flesh thick; green; sweet, juicy and of good flavor. Packet, 5c; oz., 15c; ¼ lb., 35c; lb., \$1.00; 5 lbs., \$4.50.

LETTUCE—LOOSE LEAVED VARIETIES

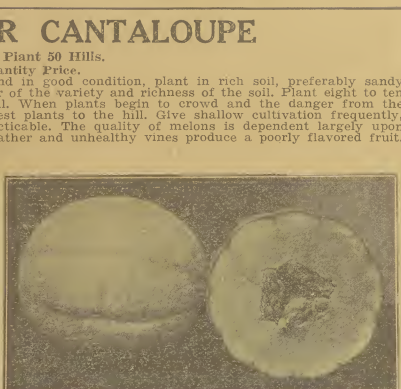
CHICKEN LETTUCE—Very hardy, rapid growing, medium light green, non-heading butter type which produces flower stalks early and furnishes an abundance of leaves over a long period of growth. Packet, 5c; oz., 15c; ¼ lb., 35c; lb., \$1.00.

EARLY CURLED SIMPSON, w. s.—Early. Also well known as "White Seeded Simpson." Very hardy and dependable; particularly popular for home gardens. Plant large, compact; bright, light, lustrous green; leaves broad, frilled, firm, crisp, sweet and of good quality. Packet, 5c; oz., 15c; ¼ lb., 35c; lb., \$1.00.

GRAND RAPIDS, b. s.—Very early. Hardy, disease resistant; the most widely used and best adapted variety for greenhouse forcing. Plants large, upright, compact and handsome; bright, solid light green; leaves large, broad, margin much waved and frilled; very tender and sweet when grown under glass. Packet, 5c; oz., 15c; ¼ lb., 35c; lb., \$1.00.



New York



Tip Top

10-25 SALMON TINT—92 days. Splendid shipping and market garden sort; the best of the salmon tinted or gold lined strains of Netted Gem or Rocky Ford. Fruits broad-oval; almost round; about 5½ in. long and 4½ in. diameter; no indication of ribbing; solidly covered with heavy netting. Flesh thick; rich salmon at center, shading to green near the rind; sweet, juicy and mildly aromatic. Packet, 5c; oz., 15c; ¼ lb., 35c; lb., \$1.00; 5 lbs., \$4.50.

WINTER VARIETIES

CASABA, GOLDEN BEAUTY—Attain full size in 120 days; require semi-tropical conditions for best development. Extensively grown in California for local trade and long distance shipment. Fruits large, globular; 6-8 in. diameter; skin golden yellow; tough, wrinkled. Flesh very thick, white, juicy and sweet. Keeps well in storage. Packet, 5c; oz., 15c; ¼ lb., 35c; lb., \$1.00; 5 lbs., \$4.50.

HONEY BALL—105 days. Splendid for home, market garden and shipping. Very productive. Fruits globular; 5 in. diameter; yellowish white, smooth; sparsely netted. Splendid shipper and keeps well in storage. Flesh silvery green; juicy, with sweet, honey-like flavor. The same as Nicholson's Honey Ball. Packet, 5c; oz., 15c; ¼ lb., 35c; lb., \$1.00; 5 lbs., \$4.50.

HONEY DEW GREEN FLESH—115 days. Grown extensively in the warmer melon growing sections for local markets and distant shipment. Fruits broad oval; 7-8 in. long and 6 in. diameter; nearly white, becoming creamy yellow; smooth with occasional net. Flesh thin; pale emerald green; sweet, juicy, with honey-like flavor. Keeps well in storage for considerable time. Packet, 5c; oz., 15c; ¼ lb., 35c; lb., \$1.00; 5 lbs., \$4.50.

MAIL ORDERS PROMPTLY FILLED

OUR LOS ANGELES LETTUCE SEED IS SELECT , , , FORMS LARGE, SOLID HEAD.

MUSHROOM SPAWN

SPORE CULTURE—Mushroom is propagated by means of microscopic "spores" which correspond to the seeds of flowering plants. The spore culture we offer is from a selected strain, which matures uniformly, and is prepared in the form of bricks. Per brick, 35c; 10 bricks, \$3.00.

MUSTARD

CHINESE—Very hardy and vigorous; leaves broad oval, thick; deeply savored and crumpled. Packet, 5c; oz., 15c; lb., 75c; 5 lbs., \$3.50.

FORDHOOK FANCY (Also known as Ostrich Plume)—Vigorous, of comparatively upright habit; slow to produce seed stalks; leaves handsome, plume-like, bright green, seeds reddish-brown. Packet, 5c; oz., 15c; lb., 75c; 5 lbs., \$3.50.

SOUTHERN GIANT CURLED—Very hardy and the most popular for greens. Leaves large and wide, bright green and very curly on the edges. The plant, although slightly spreading, is quite upright in growth. Packet, 5c; oz., 15c; lb., 75c; 5 lbs., \$3.50.

OKRA or GUMBO

PERKIN'S MAMMOTH LONG POD—Standard medium early sort for home, market garden and canning. Plants 4-5 ft. tall; pods dark green, fleshy, tender; become 4-8 in. long, 1½ in. in diameter; distinctly ribbed and tapered. Packet, 5c; oz., 10c; ¼ lb., 25c; lb., 75c.

WHITE VELVET—Early. Plants 3 ft. tall; pods white, fleshy and tender, slender; become 7 in. long and ¾ in. in diameter; tapered, smooth, not ribbed. Packet, 5c; oz., 10c; ¼ lb., 25c; lb., 75c.

ONION

Onions are extremely hardy and will grow in any soil. No special knowledge or care is required, providing the soil is kept loose, and naturally onions, like anything else, will do better in good rich soil, well drained. For extra-early onions the seed should be sown in beds from August 1st to October 1st. Transplant when they are as large as lead pencils 5 inches apart in rows 15 inches apart during December and January, as the plants will be large enough by that time.

California Early Red is the earliest onion, maturing in May; the yellow, white and brown in June, and the Italian Red in July. A large percentage of the onions are grown along the rivers on bottom land and the seed is sown in December and January, drilled in rows 16 to 18 inches apart and later thinned to about 4 inches apart. About 4 pounds of seed are required to plant one acre. This crop matures during August and September. The brown and white are the earliest, and are most extensively planted. If mildew should attack onions, dusting with sulphur will prevent it if applied in time.

Southport White Globe

AUSTRALIAN BROWN—Standard market variety of notably long keeping quality; splendid for sets. Bulbs flat but rather deep in shape; skin thick and chestnut brown; flavor strong and flesh cooks dark. Packet, 5c; oz., 20c; ¼ lb., 75c; lb., \$2.50.

EBENEZER—Produces excellent sets of extraordinary keeping quality which planted in the spring produce early mature onions for market. Bulbs medium size, deep-flat in shape, pure deep yellow; very firm and hard. The true type of this and of Japanese is the same. Packet, 5c; oz., 25c; ¼ lb., 75c; lb., \$2.50.

PRIZETAKER (Same as Mammoth Yellow Spanish or Valencia)—The most widely grown of the Sweet Spanish class. Exceedingly productive; widely grown for shipping. Bulbs large, globular; skin thin, glossy and of a lighter shade of yellow than Ohio and Southport Yellow Globes; flesh coarse but mild and sweet. Packet, 5c; oz., 25c; ¼ lb., 75c; lb., \$2.50.

RED WETHERSFIELD—Standard late variety of splendid keeping quality; excellent for sets and for mature bulbs. Bulbs large, flat but rather deep; skin deep purplish-red; flesh white with faint pink flush; flavor strong. Packet, 5c; oz., 30c; ¼ lb., \$1.00; lb., \$3.50.

SOUTHPORT RED GLOBE—Standard late variety used in large quantities in some markets; splendid keeper. Bulbs large, globe-shaped; skin thick, very deep purplish-red; flesh white with faint pink flush; flavor strong. Packet, 5c; oz., 30c; ¼ lb., \$1.00; lb., \$3.50.

SOUTHPORT WHITE GLOBE—Standard late variety of highest quality. Bulbs medium large, globular, firm; skin clear white; flesh clear white and fairly mild; keeps well but not so long as the standard colored globes. Packet, 5c; oz., 30c; ¼ lb., \$1.00; lb., \$3.50.

SOUTHPORT YELLOW GLOBE—Standard late variety of splendid keeping quality. Bulbs large, globular; skin deep orange-yellow; flesh fine grained; fairly strong. Packet, 5c; oz., 25c; ¼ lb., 75c; lb., \$2.50.

SWEET SPANISH (Riverside Strain)—The best of the very large, mild varieties, and while one of the original Spanish types, is a better keeper, having been selected for keeping qualities. It is deep amber-orange in color, with a small neck, and is globular. Packet, 5c; oz., 25c; ¼ lb., 75c; lb., \$2.50.

MARY PORTUGAL (American Silverskin)—Most widely used white onion for sets, pickling onions, mature bulbs and for bunching onions from seed. Bulbs of medium size, flat but fairly deep; pure white; flesh fine grained, firm and hard. A splendid keeper. Packet, 5c; oz., 25c; ¼ lb., 75c; lb., \$2.50.

YELLOW DANVERS, FLAT—One of the hardest, most easily grown and best keepers. Unexcelled for general purposes and especially valuable for sets. Bulbs medium large, flat but fairly thick; clear, bright yellow; flesh white with faint tint of yellow; firm and hard. Packet, 5c; oz., 25c; ¼ lb., 75c; lb., \$2.50.

WHITE QUEEN—Early market and pickling sort. Bulbs medium small, pure white, flat, mild and sweet. Similar to Extra Early Barletta. Packet, 5c; oz., 20c; ¼ lb., 70c; lb., \$2.00.

ONION SETS

The earliest onions are grown from sets planted in September. This brings them in the market in February and March, when prices are highest. About 250 lbs. of sets will plant one acre.

For the home garden no vegetable is so valuable as the onion, and for this purpose it is better to plant sets before they are ready for the table six weeks after planting. Set them three inches apart in rows six inches apart. When ready for use, take up every other one as you are mowing the balance to make a crop of 100 lbs. per pound of sets will plant about fifty feet of row. **Lb., 15c; 10 lbs., \$1.25.**

WATERMELON

A light, sandy soil, with good exposure to the sun is the best for watermelons. It should be prepared deep, but receive shallow cultivation. Hoe often and thoroughly. To get good, strong vines early in the season, form large, well-drained hills of earth, made very rich, about 8 feet apart. In these plant the seed as soon as the ground is warm and dry, dropping 6 seeds in the hill. Protect the young plants from insects. One oz. to 30 lbs., 2 lbs. to the acre. When the plants are about 4 inches high thin out, leaving only four of the strongest plants to each hill.

ANGELENO—Medium early. Very popular home and market garden sort in California. Fruits medium to large; round, with blocky ends; very dark green, with strong rind; stand shipping well; flesh bright red, firm, of splendid quality; seeds black. Packet, 5c; oz., 10c; ¼ lb., 25c; 1 lb., 75c; 5 lbs., \$3.50.

CHILIAN—Medium early. Splendid home and market garden variety; very popular on the Pacific Coast. Fruits medium small; round; medium green with dark stripes; flesh bright red; of splendid quality; seeds black. There is a white seeded strain which is very similar. Packet, 5c; oz., 10c; ¼ lb., 25c; 1 lb., 75c; 5 lbs., \$3.50.

FLORIDA FAVORITE—Medium early. Standard home, market garden and shipping sort in the South. Fruits large; uniform, oblong; light green with dark striping; rind tough; flesh green; of high quality; seeds white. Packet, 5c; oz., 10c; ¼ lb., 25c; 1 lb., 75c; 5 lbs., \$3.50.

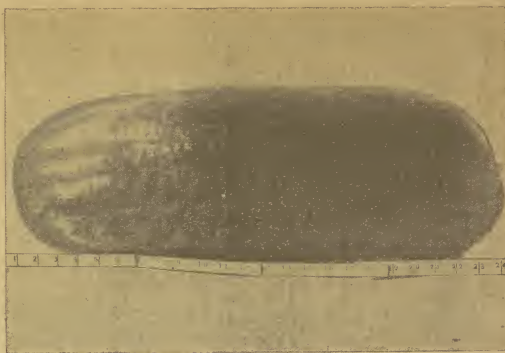
GEORGIA RATTLESNAKE (Gypsy)—Main crop. Standard home and market garden sort in the South; extensively grown for shipment. Fruits large, long, cylindrical; light green alternating with narrow, very dark green stripes; rind very tough; flesh rich scarlet red; of high quality; seeds clouded white with brownish markings. Packet, 5c; oz., 10c; ¼ lb., 25c; 1 lb., 75c; 5 lbs., \$3.50.

KLECKLEY'S SWEETS or MONTE CRISTO—Early. The most popular home garden sort; because of the thin, brittle rind it is not suitable for shipping. Fruits large, oblong, very dark green; flesh bright red, crisp, exceedingly sweet; seeds white. Very similar to Halbert Honey. Packet, 5c; oz., 10c; ¼ lb., 25c; 1 lb., 75c; 5 lbs., \$3.50.

KLONDIKE—Early. Unsurpassed in quality. Widely used in home and market gardens in California and increasingly in demand for shipping. Fruits oblong, with shallow ribs; pure green; flesh bright red, very sweet; seeds very small. Packet, 5c; oz., 15c; ¼ lb., 35c; 1 lb., \$1.93; 5 lbs., \$4.50.

STRIPED KLONDYKE

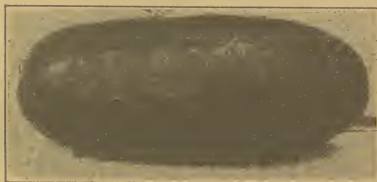
The new Klondike that created such a sensation last year. Has all the excellent qualities of the old Klondike plus many new ones. A tougher rind, does not sunburn, better shipper, no white streaks in the heart. It brought a premium wherever offered last year. Packet, 5c; oz., 15c; ¼ lb., 35c; 1 lb., \$1.00; 5 lbs., \$4.50.



Tom Watson

STONE MOUNTAIN—Main crop. Recently introduced melon of outstanding merit; ideal for home and market garden; shipped North in enormous quantities. Fruits very large, broad oval, almost round with blocky ends; dark green with indistinct veining; rind hard and tough; flesh bright red, crisp and sweet. Packet, 5c; oz., 10c; ¼ lb., 25c; 1 lb., 75c; 5 lbs., \$3.50.

TOM WATSON—Main crop. The most widely grown melon for shipping; also splendid and popular for home and market garden use. Fruits very large; oblong, cylindrical, symmetrical; dark green with fine veinings of very dark green; rind very tough; flesh bright, deep red, crisp and sweet; seeds brownish. Packet, 5c; oz., 10c; ¼ lb., 25c; 1 lb., 75c; 5 lbs., \$3.50.



Kleckley Sweet

PARSLEY

DOUBLE CURLED—Very handsome; rich, deep green with finely curled leaves. Packet, 5c; oz., 10c; ¼ lb., 30c; 1 lb., \$1.00.

EXTRA TRIPLE CURLED (Moss Curled)—Plant very compact, leaves very dark green and so finely cut and closely curled as to resemble turf, of moss. Aside from its value for flavoring and garnishing, the plant is decorative. Packet, 5c; oz., 10c; ¼ lb., 30c; 1 lb., \$1.00.

HAMBURG, THICK ROOTED—Plain leaved variety which forms a large, thick, edible root. Packet, 5c; oz., 10c; ¼ lb., 30c; 1 lb., \$1.00.

PLAIN OR SINGLE—The standard variety of plain leaved parsley. Leaves dark green, deeply cut but not curled. Packet, 5c; oz., 10c; ¼ lb., 30c; 1 lb., \$1.00.

PARSNIP

One ounce will sow 150 feet of row

Use a deep, rich, sandy soil, although any deep, mellow, moderately rich soil will produce good roots. Sow as early in spring as possible, in rows which are 1½ feet apart, covering firmly with ½ inch of fine soil. When plants are well up, thin to 2 or 3 inches apart in the row. Cultivate frequently. Parsnip seed is slow to germinate; sowing should be made early and soil pressed down firmly over seeds.

HOLLOW CROWN, THICK SHOULDER—Roots 12–15 in. long, 3 in. thick at shoulder; tapered; smooth. Packet, 5c; oz., 10c; ¼ lb., 30c; 1 lb., \$1.00.



Hollow Crown

KNOX'S PUMPKINS

Pumpkins are frequently planted in connection with a crop of field corn, and if you grow corn you may just as well grow pumpkins. They will grow best in soil kept moist by the dry farming method, as too much moisture will kill them. Plant the seed in open ground after the danger of frost is over, in hills 8 feet apart each way; drop from 5 to 10 seeds per hill and when the plants are about 5 inches high and danger of insect pests is past, thin to 3 or 4 of the healthiest plants. If irrigation is needed, run the water in ditches about 18 inches from the hill. About three pounds of seed will plant one acre.



CALIFORNIA FIELD—Largely used for stock feeding. Fruits very large, somewhat variable in form and color. Packet, 5c; oz., 10c; ¼ lb., 35c; 1 lb., 75c.

GREEN STRIPED CUSHAW—Widely used for stock feeding. Fruits large, commonly become 18–20 in. long and weigh 12 lbs.; solid thick crookneck and round blossom end; smooth, white with green stripes and veining; shell thin; flesh thick, coarse, cream colored. Packet, 5c; oz., 10c; ¼ lb., 35c; 1 lb., 75c.

LARGE YELLOW OR CONNECTICUT FIELD—The standard field pumpkin, grown for pies, canning and stock feed. Fruits very large, commonly 10 in. long, 12 in. diameter and weigh 20 lbs., sometimes much larger; skin smooth, deep orange-yellow; shell thin, hard; flesh thick, coarse, sweet and deep yellow. Packet, 5c; oz., 10c; ¼ lb., 35c; 1 lb., \$1.00.

MAMMOTH KING—Extremely productive and of high feeding value; sometimes used by canners; rather generally grown for stock feed. Fruits enormous, nearly spherical, commonly 20 in. through and weigh 60 lbs.; sometimes much larger; skin reddish-yellow; flesh thick, bright yellow, firm, rather coarse. Packet, 5c; oz., 10c; ¼ lb., 35c; 1 lb., \$1.00.

PIE OR WINTER LUXURY—Very popular home and market garden sort; about in season with Sugar or New England Pie. Fruits almost globular, commonly 7–8 in. long and 8–9 in. diameter and weigh 5 lbs.; skin light orange; not furrowed but with a netted, russet appearance; rind thin and easily cut; flesh very thick, yellow, firm and of splendid quality. Packet, 5c; oz., 10c; ¼ lb., 35c; 1 lb., \$1.00.

SUGAR OR NEW ENGLAND PIE—The earliest and best for pies; much grown in home and market gardens and for shipping. Fruits commonly 6 in. long and 8–9 in. diameter; flattened; furrowed; skin smooth, rich reddish-orange; rind hard; flesh thick, orange-yellow, of unexcelled quality. Packet, 5c; oz., 10c; ¼ lb., 35c; 1 lb., \$1.00.

SWEET CHEESE OR KENTUCKY FIELD—Standard large pumpkin for canning and for stock feed; largely grown in the South. Our stock is uniform, true to type, dependably early and heavily productive. Fruits very large, flattened, commonly 12–15 in. diameter and half as deep; sometimes much larger; furrowed; skin creamy buff; flesh extremely thick, deep salmon-yellow and of good quality. Packet, 5c; oz., 10c; ¼ lb., 35c; 1 lb., \$1.00.

KNOX'S IMPROVED PEAS

Write for Prices in large quantities

One pound will sow 60 feet of row. Light, moderately rich soil is best for this crop. Sowing of the first early variety should be made in October, and the other varieties for successive crops. Plant every two weeks until the first of April. Peas are sown in single or double rows, from 2 to 6 feet apart, according to the variety or height to which the tall varieties from 5 to 6 feet apart.

FIRST EARLY AND EARLY VARIETIES

ALASKA—54 days. This variety and Extra Early are the earliest garden peas in cultivation. Alaska is the most widely grown pea for canning purposes. Vines 33 in. tall; slender; crop matures uniformly. Pods borne singly; light green; 2½ in. long, ½ in. wide; very plump; blunt. Seeds small, round, medium green with bluish cast, interior green. Packet, 5c and 10c; ¼ lb., 15c; 1 lb., 25c; 5 lbs., \$1.00.

AMERICAN WONDER—59 days. Very important early dwarf variety for the home garden; the same as Nott's Excelsior. Vines 12–14 in. high; dark green; very productive. Pods medium green, 3 in. long, ½ in. wide, plump, straight, blunt ended; seeds medium small, squarish, wrinkled, green; interior green. Packet, 5c and 10c; ¼ lb., 15c; 1 lb., 25c; 5 lbs., \$1.00.

HUNDREDFOLD—62 days. Prolific, large podded dwarf variety for home, market garden and shipping. Vines 18 in. tall, dark green. Pods borne singly; dark green, 4 in. long, ¾ in. wide, plump, tapered at tip. Seeds large, wrinkled, green; interior yellow. Packet, 5c and 10c; ¼ lb., 15c; 1 lb., 25c; 5 lbs., \$1.00.

LAXTON'S PROGRESS—60 days. Splendid variety for home, market garden and shipping. Vines dwarf, 20 in. tall, dark green, prolific. Pods handsome, dark green, very large for dwarf variety; fully 4 in. long, ¾ in. wide, plump, tapered at end. Seeds large, wrinkled, cream; interior yellow. Packet, 5c and 10c; ¼ lb., 15c; 1 lb., 25c; 5 lbs., \$1.00.

LAXTONIAN—62 days. Similar to Hundredfold in type and usefulness. Vines 16–19 in. tall, medium dark green. Pods borne singly, medium dark green, 4–4½ in. long, ¾ in. wide, plump, tapered at tip. Seeds large, wrinkled, green and cream. Packet, 5c and 10c; ¼ lb., 15c; 1 lb., 25c; 5 lbs., \$1.00.

LITTLE MARVEL—62–64 days. Unsurpassed in quality and productiveness; particularly valuable for the home garden. Vines 18–20 in. tall, dark green; very thrifty, very prolific. Pods dark green, 3 in. long, ½ in. wide, very plump, straight, blunt ended. Seeds medium sized, distinctly wrinkled, green. Packet, 5c and 10c; ¼ lb., 15c; 1 lb., 25c; 5 lbs., \$1.00.

PREMIUM GEM—62 days. Valuable home garden variety. Vines 18 in. tall, medium green. Pods medium green, 2½ in. long, ¾ in. thick, plump, straight, blunt ended. Seeds medium sized, green, wrinkled. Packet, 5c and 10c; ¼ lb., 15c; 1 lb., 25c; 5 lbs., \$1.00.

SECOND EARLY VARIETIES

ALDERMAN—75 days. Splendid dark podded variety for home, market garden and shipping. Vines 4½–5 ft. tall, dark green. Pods dark green 4½–5½ in. long, ¾ in. wide, plump, straight, tapered at tip. Seeds large, pear-shaped, green. More desirable than Duke of Albany and Admiral Beatty. Packet, 5c and 10c; ¼ lb., 15c; 1 lb., 25c; 5 lbs., \$1.00.

LATER VARIETIES

TELEPHONE—73 days. One of the best home and market garden sorts; sometimes used for canning. Vines 4–4½ ft. tall, medium green. Pods borne singly, rich medium green, 4½ in. long, ¾ in. wide, plump, straight, tapered at end. Dry seeds large, pear-shaped, wrinkled, green; interior green. Packet, 5c and 10c; ¼ lb., 15c; 1 lb., 25c; 5 lbs., \$1.00.

DWARF TELEPHONE OR DAISY—70–75 days. Very satisfactory for home, market garden and shipping. Vines 24 in. tall, thrifty; deep green. Pods deep green, 4½ in. long, ¾ in. wide, plump, tapered at end. Seeds large, wrinkled, green. This is a splendid, uniform stock recently developed by us. Packet, 5c and 10c; ¼ lb., 15c; 1 lb., 25c; 5 lbs., \$1.00.



GIANT BUTTER (Edible Pod)—Edible pods, 72 days. Splendid for home and market garden. Vines 5 ft. tall, light green. Pods 5½ in. long, ¾ in. wide, almost as thick (usable much smaller), smooth, curved or sickle-formed and pointed; fleshy and entirely free of parchment and fibre; brittle, stringless; delicious served in same manner as snap beans. Seeds medium small, wrinkled, green; interior green. Packet, 5c and 10c; ¼ lb., 15c; 1 lb., 25c; 5 lbs., \$1.00.

IMPROVED STRATAGEM—78 days. Splendid home and market garden variety. Vines 90 in. tall, dark green. Pods dark green, 4½ in. long, ¾ in. wide, plump, straight, tapered at end. Seeds large, squarish, wrinkled, green; interior green. Packet, 5c and 10c; ¼ lb., 15c; 1 lb., 25c; 5 lbs., \$1.00.

MELTING SUGAR (Edible Pod)—Edible pods, 72 days. The best flat podded edible pod variety for home and market garden. Vines 4½ ft. tall, light green. Pods 4½ in. long, ¾ in. wide, flat, straight, tapered at end. Fleshy, stringless, brittle, free of parchment, of splendid quality; used in the manner of snap beans. Seeds medium large, round, smooth, creamy white; interior yellow. Packet, 5c and 10c; ¼ lb., 15c; 1 lb., 25c; 5 lbs., \$1.00.

SAVE THIS CATALOG

KNOX'S OREGON GROWN POTATOES

600 pounds will plant an acre.

We are large handlers of all varieties of Potatoes for Seed, Write for Prices when interested.

It is best to cut the potatoes with eye or three eyes to a piece, planting these in rows or hills about 3 feet apart and about 15 to 18 inches apart in the row. Write for prices, as market fluctuates.

AMERICAN WONDER—This early white potato is becoming more popular each year; it is a good size, smooth, and a splendid keeper. As a producer it has no equal among early potatoes. We have excellent strains from both Oregon and California seed of this variety.

WISCONSIN PRIDE—A medium, early heavy cropper potato. The most favored by the market gardener.

EARLY ROSE—This pink-skinned variety is noted for earliness, productiveness and fine quality.

BRITISH QUEEN—A white potato about the same shape as the White Rose. It is noted for its very heavy yield.

BURBANKS—A standard late variety. It is of good size, of fine form and an excellent yielder. The flesh is white, very mealy and of fine flavor and quality. This variety is well adapted to heavy soils.

WHITE ROSE—A variety with the earliness of a Red Rose and all the qualities of a good white potato. A very good producer. Somewhat longer than the Red Rose.

PEPPER

ANAHEIM (Hot)—Late; particularly adapted to culture in the South. Popular in home and market gardens and grown on a commercial scale for drying and canning. Fruits 6-8 in. long, about an inch through, tapered; deep green becoming rich scarlet; mildly pungent. Packet, 5c; oz., 50c; ¼ lb., \$1.50; lb., \$5.00.

CALIFORNIA WONDER (Sweet)—72 days; large, green fruits available practically as early as Ruby King. This is the standard of excellence in sweet peppers; much used, particularly by market growers and shippers. Plant thrifty, upright, heavily productive over a long season. Fruits handsome, very large, very smooth and regular; commonly 4½ in. long and 3¼-4 in. through; deep green, becoming bright crimson; flesh extremely thick and firm, sweet throughout and of distinct flavor. Our stock is in a class by itself and definitely superior to that from other sources. Packet, 5c; oz., 50c; ¼ lb., \$1.50; lb., \$5.00.

CHINESE GIANT (Sweet)—80 days. The largest sweet pepper. Fruits 4½-5 in. long and of equal diameter; roundish, blunt at the ends, somewhat crumpled; deep green, becoming bright scarlet-red; mild and sweet throughout. Packet, 5c; oz., 50c; ¼ lb., \$1.50; lb., \$5.00.

HUNGARIAN YELLOW WAX (Hot)—60 days. Very early. Very desirable for home, market garden and canning. Plants small, heavily productive. Fruits 6-7 in. long, 2 in. thick, tapered, smooth, waxy light yellow, becoming bright red; flesh thick and pungent. Packet, 5c; oz., 50c; ¼ lb., \$1.50; lb., \$5.00.

LONG RED CAYENNE (Hot)—70 days. A leading sort for use in pickles, for canning and for drying. Plants very prolific. Fruits 5 in. long, ½ in. through, tapered; deep green, becoming bright red; very pungent. Packet, 5c; oz., 50c; ¼ lb., \$1.50; lb., \$5.00.

PIMIENTO (Sweet)—72 days. Standard variety for home and market garden, grown on large scale for canning whole. Plants large, upright, heavily productive. Fruits very smooth, regular heart-shaped, commonly about 3 in. long (easily cured for canning); deep green, becoming deep red; flesh very thick, sweet and of splendid flavor. Packet, 5c; oz., 50c; ¼ lb., \$1.50; lb., \$5.00.

RED CHILI (Hot)—Ripe 85 days. Plants low growing and bushy. Fruits for home upright culture, 2-2½ in. long, ¾ in. thick, tapered; waxy pale yellowish-green, becoming rich red; very pungent. Packet, 5c; oz., 50c; ¼ lb., \$1.50; lb., \$5.00.

RADISH

One ounce will sow 100 feet of drill, 3 lbs. per acre. For first crop sow early in the spring as the ground can be worked, and every two weeks throughout the season for succession. A warm, sandy loam, made rich and light by strong manure, is best. Sow in drills 10 to 12 inches apart. The winter varieties should be sown in July and August.

CRIMSON GIANT—29 days. Superior home and market garden sort. Tops medium small. Roots spherical to slightly top-shaped; deep crimson; the largest of the early turnip-rooted varieties; commonly attain diameter of 1½ in. before becoming pithy; of unexcelled quality. Packet, 5c; oz., 10c; ¼ lb., 30c; lb., 75c.

EARLY SCARLET GLOBE (Short Top)—23 days. Our strain of this standard very early sort is superior and is equally valuable for home and market garden use. Tops small, ideal for bunching. Roots slightly elongated globe (so called "broad-oval" shape); 1½ in. long when ideal for use; with slender, well defined tap root; unvarying rich bright scarlet; flesh white, crisp and of splendid quality. Packet, 5c; oz., 10c; ¼ lb., 30c; lb., 75c.

FRENCH BREAKFAST—25 days. Standard home and market garden sort; also suitable for forcing. Tops small. Roots oblong, blunt, with slender, well defined tap root; about 1½ in. long and ¾ in. through; rich scarlet with white bottom; flesh white, crisp and of splendid quality. Packet, 5c; oz., 10c; ¼ lb., 30c; lb., 75c.

AMSTERDAM GIANT—A standard variety for home and market garden and shipping. Produces uniform, long tapered white roots. Packet, 5c; oz., 15c; ¼ lb., 50c; lb., \$1.50.

KNOX'S SPINACH—This plant will grow in any ordinary soil, but responds well to fertility. Sow early in the spring in drills twelve to eighteen inches apart. For early use sow light covering of leaves or straw. One ounce of seed will sow fifty feet of drill.

GIANT THICK LEAVED (Nobel)—(Round Seeded.) 43 days. Decidedly the best of the round seeded, thick leaved group. Because of the enormous yield, long standing character, and the deep green color and smooth character of the leaves, this is highly recommended for canning as well as for home and market garden. Leaves very large, thick, broad arrow-shaped with rounded tip. Packet, 5c; ¼ lb., 10c; lb., 20c; 5 lbs., 85c.

LONG STANDING BLOOMSDALE—(Round Seeded.) 45 days. Superior variety of the Bloomsdale or Savoy Leaved group much in demand for home and market gardens because of the uniform handsome plants and remarkably long standing quality. Resembles Savoy Leaved or Bloomsdale, but is a trifle later, of more compact habit, a trifle darker green and remains free of flower stalks about two weeks longer. Packet, 5c; ¼ lb., 10c; lb., 20c; 5 lbs., 85c.

PRICKLY SEEDED (Dark Green)—45 days. The very hardy prickly seeded variety commonly used for market and canning in California. The leaves are large, thick and dark green. Packet, 5c; ¼ lb., 10c; lb., 20c; 5 lbs., 85c.

SAVOY LEAVED OR BLOOMSDALE—(Round Seeded.) 49 days. The standard very early sort for home and market garden. Plants upright and compact, attain height of 10-12 in. and spread of 12-15 in. Leaves large; blistered and crumpled; rich deep, glossy green; of splendid quality. Packet, 5c; ¼ lb., 10c; lb., 20c; 5 lbs., 85c.

MAIL ORDERS PROMPTLY FILLED

PLANT EARLIANA TOMATOES FOR FIRST EARLY AND STONE TOMATOES FOR MAIN CROP

NEW ZEALAND (Tetragonia)—Distinct from other kinds of spinach and particularly valuable for culture in hot dry weather. Seeds comparatively large and nut-like. Plants very large and spreading; leaves numerous, small, triangular, thick, deep green. The tender leafy shoots are gathered repeatedly. Packet, 5c; ¼ lb., 20c; lb., 50c.

KNOX'S SQUASH—Any good enriched soil is adapted to the growing of the squash. The seed should not be sown in the spring until danger from frost is past and the ground is warm. Plant in hills (about 8 to 10 seeds to a hill) the early sorts 4 to 6 feet apart, the late varieties 8 to 12 feet. Thin out to three plants in the hill. Keep the earth about the plants loose and free from weeds. One ounce for 25 hills, 2 to 3 pounds per acre.

EARLY WHITE BUSH SCALLOP—Standard summer scallop squash for home and market garden. Fruits uniform, round, attain 9 in. diameter, flattened, with scalloped margins; smooth; white. Packet, 5c; oz., 15c; ¼ lb., 35c; lb., \$1.00.

EARLY WHITE BUSH SCALLOP (Green Tinged)—A valuable White Bush selection which is rapidly gaining popularity on the West Coast. Fruits of convenient size for shipping; color greenish white when young; pure white when fully matured. Pkt., 5c; oz., 15c; ¼ lb., 35c; lb., \$1.00.

GIANT SUMMER STRAIGHTNECK—Particularly valuable for shipping because the straight fruits are more readily packed than the crookneck type with less waste of shipping space. Fruits handsome; deep orange with moderate shallow warting; straight, become 16-20 in. long and 4 in. through but are usable much smaller. Pkt., 5c; oz., 15c; ¼ lb., 35c; ½ lb., 65c; lb., \$1.00.

ITALIAN MARROW, COCO ZELLE—Standard for home market garden and shipping. Sometimes called summer asparagus because the young fruits when stewed are of a delicious flavor suggesting asparagus. Fruits straight, almost cylindrical; become 18-24 in. long and 5 in. in diameter; smooth, dark green with lighter green to yellow stripes; flesh pale greenish white. Pkt., 5c; ¼ lb., 35c; ½ lb., 65c; lb., \$1.00.

ITALIAN MARROW, ZUCCHINI—Fruits straight, almost cylindrical; become about 18 in. long and 4 in. diameter; deep green with grayish-green tinge. Pkt., 5c; ¼ lb., 35c; ½ lb., 65c; lb., \$1.00.

YELLOW SUMMER CROOKNECK—Very popular for home, market garden and shipping. Very prolific. Fruits become 12-14 in. long and 3½ in. through; neck curved; skin bright orange-yellow, moderately warted. Pkt., 5c; ¼ lb., 35c; ½ lb., 65c; lb., \$1.00.

AUTUMN AND WINTER VARIETIES

BANANA—Standard home and market garden sort. Fruits cylindrical, commonly 20-24 in. long and 6 in. through; smooth; greenish-gray; rind thin, brittle; flesh thick, light orange, fine grained, of sweet, rich flavor. Pkt., 5c; ¼ lb., 35c; ½ lb., 65c; lb., \$1.00.

BOSTON MARROW—Particularly valuable for canning. Fruits large, commonly 10-12 in. through; almost spherical, usually a trifle flattened at blossom end; skin slightly roughened, rich orange; rind hard and brittle; flesh thick, salmon-yellow. Pkt., 5c; ¼ lb., 35c; ½ lb., 65c; lb., \$1.00.

DELICIOUS—The standard of excellence in winter squashes. Fruits broad top-shaped, commonly 7-8 in. long; skin very dark green, fairly smooth; rind thin but hard; flesh extremely thick, bright yellow, fine grained and dry, without fibre and of highest quality. Pkt., 5c; ¼ lb., 35c; ½ lb., 65c; lb., \$1.00.

GOLDEN HUBBARD—Earlier and smaller than Hubbard; splendid for home and market garden and commonly used for canning. Fruits globular with fairly prominent neck and blossom end; about 11 in. long and 8 in. through; deep orange red with shallow warting; rind hard and tough; flesh thick, deep orange-yellow; fine grained and dry; of splendid quality. Pkt., 5c; ¼ lb., 35c; ½ lb., 65c; lb., \$1.00.

HUBBARD—The standard winter squash for home, market garden and shipping. Fruits medium large; commonly 8-10 in. through; globular, dark bronze green, moderately warted; rind very hard and strong; flesh very thick, deep orange-yellow, fine grained and dry; of splendid quality. Pkt., 5c; ¼ lb., 35c; ½ lb., 65c; lb., \$1.00.

TABLE QUEEN OR DES MOINES—Very early, extremely prolific; one of the most popular for home, market garden and shipping. Fruits pointed acorn shape; 5 in. long and 4 in. through; uniformly ridged; skin smooth, dark green; shell thin; flesh light yellow, bakes dry and sweet. Pkt., 5c; oz., 15c; ¼ lb., 35c; lb., \$1.00.

TOMATOES

Tomatoes succeed best in well manured, light, sandy soil. For early plants sow seed in boxes or hotbeds in January. When the plants are about two inches high, transplant to four inches apart each way. Set out of doors as soon as danger of frost is over. Transplant carefully, six feet apart each way, and cultivate well as long as vines will permit. To obtain early fruit pinch off the ends of the branches when the first fruit is set. Our seed stock is of the very best selection. One ounce of seed for 2,000 plants.

AMSTERDAM GIANT

GIANT THICK LEAVED (Nobel)

LONG STANDING BLOOMSDALE

PRICKLY SEEDED (Dark Green)

SAVOY LEAVED OR BLOOMSDALE

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NEW ZEALAND (Tetragonia)

KNOX'S SQUASH

EARLY WHITE BUSH SCALLOP

EARLY WHITE BUSH SCALLOP (Green Tinged)

GIANT SUMMER STRAIGHTNECK

ITALIAN MARROW, COCO ZELLE

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KNOX'S SQUASH

EARLY WHITE BUSH SCALLOP

according to the variety; those which are said to produce fruits of medium large size, yield fruits which average 5.5—6 ounces; and those varieties described as large fruited, yield fruits that average 6.1 to 7.2 ounces, according to the variety. Ponderosa and Ox Heart with extremely large fruits are in a class by themselves and the Cherry Pear, Plum and Husk tomatoes bear comparatively extremely large fruits.

BRABHAM COW PEA—75 days. We offer a superior selection of this early wilt resistant globe-shaped shipping sort. Plants heavily productive. Fruits large, scarlet; flesh firm and of good quality. Stock grown from seed obtained from United States Department of Agriculture. Pkt. 5c; oz., 50c; ¼ lb., \$1.50; lb., \$5.00.

CHALK'S EARLY JEWEL—75 days. Splendid home and market garden variety. Very thrifty, heavily productive. Fruits scarlet-red; large, flattened globe shape; smooth and firm. Pkt. 5c; oz., 50c; ¼ lb., \$1.50; lb., \$5.75.

DWARF STONE—81 days. Strictly dwarf and tree-like; requires no training to permit culture where space is limited. Fruits flattened globe-shaped, scarlet, a trifle over medium size. Pkt. 5c; oz., 50c; ¼ lb., \$1.50; lb., \$5.00.

EARLIANA—64—66 days. Particularly valuable for home garden and early market. Our strain is definitely superior in earliness and quality. Fruits medium size; flattened globe-shaped; deep scarlet-red; firm and smooth. Pkt. 5c; oz., 50c; ¼ lb., \$1.50; lb., \$5.00.

MARGLOBE—75—78 days. We offer the most superb strain of this splendid type in point of earliness, uniformity, and general desirability; particularly valuable for shipping; definite disease resistance recommends this variety for use in sections infested with Fusarium Wilt and Navel Rust. Plants thrifty and heavily productive, of long bearing period. Fruits uniform deep scarlet; large uniformly globe-shaped; smooth solid, and of distinct quality. Pkt. 5c; oz., 50c; ¼ lb., \$1.50; lb., \$5.00.

ON HEART—90 days. Very popular late home garden variety. Fruits very large, often weigh 1—2 lbs. or more; heart-shaped; pink; flesh solid with very few seeds, of very mild flavor, and very choice for salads. Pkt. 5c; oz., 50c; ¼ lb., \$1.50; lb., \$5.00.

PONDEROSA (Also known as Beefsteak)—85 days. One of the best for home use, fruit deep purple-pink; extremely large, commonly 8—12 oz. each; deep but flat; very fleshy with few seeds; of very mild flavor. Pkt. 5c; oz., 50c; ¼ lb., \$1.50; lb., \$5.00.

STONE (Notion Wilt Resistant)—85 days. Particularly valuable for the market, gardener, trucker and canner. Heavily productive. Fruits uniform bright deep scarlet; large and flat, but deep; smooth and solid. Pkt. 5c; oz., 50c; ¼ lb., \$1.50; lb., \$5.00.

Small fruited varieties used only for preserves, pickles, and for decorative purposes.

RED CHERRY—75 days. Fruits small, round; rich deep red. Pkt. 5c; oz., 50c; ¼ lb., \$1.50; lb., \$5.00.

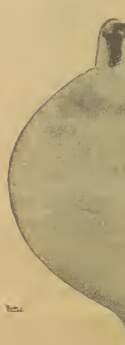
RED PEAR—75 days. Fruits 2 in. long; pear-formed. Pkt. 5c; oz., 50c; ¼ lb., \$1.50; lb., \$5.00.

YELLOW PEAR—75 days. Fruits 2 in. long; pear-formed. Pkt. 5c; oz., 50c; ¼ lb., \$1.50; lb., \$5.00.

YELLOW PLUM—75 days. Fruits oval, 2 in. long; clear deep yellow. Pkt. 5c; oz., 50c; ¼ lb., \$1.50; lb., \$5.00.

YELLOW HUSK OR GOLDEN CHERRY—(Not a true tomato; sometimes called Strawberry Tomato) 80—85 days. Used for preserving. Fruits borne singly; small round; enclosed in papery envelope; of rich sweet flavor. Pkt. 5c; oz., 50c; ¼ lb., \$1.50; lb., \$5.00.

TURNIPS



Yellow Globe

Two pounds per acre in drills, three pounds broadcast. Turnips do best in highly enriched, sandy or light loamy soil. Commence sowing the earliest varieties in January, in drills from 12 to 15 inches apart and thin out nearly six to eight inches in the row. For last planting in main crop, sow in July and August.

WHITE FLESHED SORTS

COW HORN OR LONG WHITE—Table size, 65 days; full size, 75—80. Chiefly grown for stock feed but very good for table use. Fruits long, erect, cut-leaved. Roots 12—15 in. long, 3 in. thick at shoulder, tapered, slightly crooked; smooth; white with pale green shoulder; mild, sweet and tender. Pkt. 5c; oz., 10c; ¼ lb., 30c; lb., 75c.

EARLY PURPLE TOP STRAP LEAVED—Table size, 45 days. Very important home and market garden sort. Tops small, erect, compact. Roots flat, become 5 in. diameter and half as thick; purplish-red above and white below; flesh clean white, grainy, mild. Packet, 5c; oz., 10c; ¼ lb., 30c; lb., 75c.

EARLY WHITE FLAT DUTCH, STRAP LEAVED—Table size, 45 days. Important home and market garden sort. Tops small, erect, compact. Roots flat, become 3 in. diameter and half as thick; entirely white; flesh fine grained and mild. Packet, 5c; oz., 10c; ¼ lb., 30c; lb., 75c.

EXTRA EARLY WHITE MILAN—Table size, 40 days. Standard for home and market garden and for forcing. Tops small; strap leaved. Roots flat; become 4 in. across; entirely white; flesh fine grained, mild and tender. Packet, 5c; oz., 10c; ¼ lb., 30c; lb., 75c.

PURPLE TOP WHITE GLOBE—Table size, 55 days; full size 70 days. The standard home, market garden and shipping sort for table use and splendid for field culture. Tops medium large, compact, strap leaved. Roots globular, smooth; bright purplish-red above, white below; become 5—6 in. diameter; flesh white, firm; fine grained and tender when young. Packet, 5c; oz., 10c; ¼ lb., 30c; lb., 75c.

SEVEN TOP FOR TURNIP GREENS—Standard extremely hardy foliage turnip for table and forage use. Root woody and inedible crown sends up numerous leaf shoots which are excellent for greens and for stock to graze on. Packet, 5c; oz., 10c; ¼ lb., 30c; lb., 75c.

SHOGIN OR JAPANESE—New, extremely useful sort. It is quick growing and supplies large edible strap leaves as well as smooth globular roots of superior quality. Already popular as a dual purpose variety; also very desirable because of its resistance to aphids or plant lice. Packet, 5c; oz., 10c; ¼ lb., 30c; lb., 75c.

SNOWBALL—A very attractive medium size turnip of outstanding quality. Roots round, clear white, both interior and exterior. Flesh fine grained, sweet and tender. Table size, 40 days. Packet, 5c; oz., 10c; ¼ lb., 30c; lb., 75c.

WHITE EGG—Fine for home and market garden. Tops erect, fairly compact, strap leaved. Roots white, smooth, grow one-half above ground, egg-shaped, become 3 inches long and 2½ inches through. Flesh firm, white, fine grained, sweet and tender. Table size 55 days. Packet, 5c; oz., 10c; ¼ lb., 30c; lb., 75c.

YELLOW FLESHED VARIETY

ORANGE JELLY OR GOLDEN BALL—Table size, 60 days. Splendid for table use. Tops small cut-leaved. Roots globular, commonly 4 in. diameter; skin smooth, orange-yellow; flesh yellow, firm, fine grained and of good quality. Packet, 5c; oz., 10c; ¼ lb., 30c; lb., 75c.

RUTABAGA

AMERICAN PURPLE OR IMPROVED LONG ISLAND—Standard variety widely grown for market and for storage and car-lot shipment. Tops comparatively small and neck short. Roots large, spherical; deep purplish-red above ground, light yellow below; tap root small; flesh yellow, fine grained, firm, crisp, mild and sweet. Packet, 5c; oz., 10c; ¼ lb., 30c; lb., 75c.

WHEN QUANTITY OF ANY FIELD AND FARM SEEDS IS WANTED, ALWAYS WRITE FOR LATEST MARKET PRICES

KNOX'S SELECTED FIELD CORN

EARLY MATURING—HEAVY YIELDING

Proper selection of Seed Corn is a matter of working year after year, planting good seed in the beginning, watching particular stalks which grow best and which are enough ears to the proper distance from the ground, and then cutting the tassels from all other stalks in the field. The seed ears must be selected on the stalk, and ripened and dried under correct conditions. The grains must be shelled and stored and graded so they will be even in size, and their vitality maintained unimpaired. Finally, the seed must be tested for germination. We have picked growers who give their Corn crops the attention necessary to produce first-class seed.

EUREKA ENSILAGE

Eureka Ensilage corn is without a doubt the heaviest yielding ensilage corn adapted to California climatic conditions. It grows to an average height of 14 feet, has very fleshy stalks bearing one to three ears to the stock, and has established a record of an average production of 30 to 35 tons per acre. This when cut and put in the silo furnishes a feed that is very succulent and of the highest feeding value, and is relished by all kinds of stock.

Our seed stock of Eureka Ensilage Corn for this season is of exceptionally fine quality and selected for size uniformity for both ear and kernel. Lb., 15c; 10 lbs., \$1.00. Write for quantity prices.

ORANGE COUNTY PROLIFIC

Orange County Prolific is a California product of the white dent variety. It is also an exceptionally heavy yielder and highly recommended for ensilage purposes. We consider it next on the list following Eureka Ensilage Corn. What we have said regarding the selection of our seed stock for Eureka Corn also applies to this variety.

Price per lb., 15c; 10 lbs., \$1.00.
Write for quantity prices.

MEXICAN JUNE CORN—WHITE OR PRIDE OF MODESTO

Very early and hardy, stalks growing to an average height of 7 or 8 feet and producing 30 to 40 bushels of corn per acre. This corn is also used for roasting purposes in many sections of California.

1 lb., 15c; 10 lbs., \$1.00

KING PHILIP—YELLOW

This is a hard yellow flint corn and is generally referred to as 90-day corn. It is drought-resisting and will give a fair yield where most corns are a failure. 1 lb., 15c; 10 lbs., \$1.00.

Plant 8 to 10 pounds per acre in hills for shelled corn or for silo.

REID'S YELLOW DENT

In the upland sections requiring a corn that will mature in about 115 days, Reid's Yellow Dent has made a well-deserved reputation because of its large yields and superior type of ear. It is a big yielder on good land and heavy land, making ears that average 9 to 10 inches long with 18 to 24 rows to the ear, and well filled out at butt and tip. It is a true dent corn, the grains are medium narrow, wedge-shaped, and the rows are so close that there is practically no waste space between the rows. The cob is small for the size of the ear; makes one or two ears to the stalk. Lb., 15c; 10 lbs., \$1.00. Write for prices on larger quantities.

IMPROVED LEAMING

Leaming is known the country over as a big yielding, early maturing yellow corn, making generally two big ears to the stalk with rarely a barren stalk. It does well on all soils, but prefers light to medium soils. The grain is wedge-shaped and covers the entire cob. The ears average about 10 inches long, with 18 to 20 rows to the ear. The color is a deep, reddish yellow. Matures in about 100 days. Lb., 15c; 10 lbs., \$1.00.

HICKORY KING

The grain is so wide and deep and the cob so small that often a single grain will cover the end of a broken cob. It has been called Poor Man's Corn, because it can be depended upon to produce a crop on poor, thin land; on good land it bears two ears to the stalk. Lb., 15c; 10 lbs., \$1.00.

IMPROVED WHITE DENT OR STANISLAUS WHITE DENT

Improved White Dent has been the reliable old stand-by with southern corn growers, and its merits are generally recognized. It makes a single ear to the stalk, but they are long and heavy; the grains are quite wide, deep and firmly set on a medium-sized cob. The stalk is tall and carries a good growth of fodder. Lb., 15c; 10 lbs., \$1.00.

MISCELLANEOUS

MILLET: German—Few other grasses or forage plants have been able to produce the enormous yield of this plant. It has produced 4 to 5 tons of hay to the acre and from 70 to 80 bushels of seed. It can be sown on newly broken ground in the spring, and as late as July. Leaves the ground in excellent condition for following crops. Plant 30 lbs. per acre. Price per lb., 15c; 10 lbs., \$1.00.

MILLET: French (Hog Millet or Broom Corn Millet)—Grown very extensively in Europe and Eastern Asia for food purposes. In America it is very commonly used for poultry food. The culture is the same as for the German Millet. Sow 70 lbs. to 80 lbs. to the acre. Price per lb., 15c; 10 lbs., \$1.00.

RAPE: Dwarf Essex—The crop is very highly recommended for pasturage for sheep and cattle, furnishing most rich and nutritious pasturage within six or eight weeks from the time of sowing. It also makes splendid green feed for poultry. Plant 10 lbs. per acre. Per lb., 15c; 10 lbs., \$1.00.

SUNFLOWER: Mammoth Russian—Makes heads double the size of the common kind. The yield is enormous from this variety. It has produced as much as 40 bushels to the acre. Plant 10 lbs. per acre. Lb., 15c; 10 lbs., \$1.00.

WHIP-POOR-WILL COW PEA

For many years the Whip-Poor-Will has been the standard summer crop for green manuring not only here but throughout the South.

- (1) It will grow on practically all kinds of soils, whether sandy or clay, poor or fertile.
- (2) It is of early maturity.
- (3) It has a big, strong, deep-root system, well supplied with large nitrogen gathering nodules.
- (4) It reveals in summer heat, and is extremely drought-resistant.
- (5) It grows very rapidly, shading the soil from excessive heat, and leaving no room for noxious weeds.
- (6) It greatly benefits the succeeding crop by accumulation of nitrogen in the soil.
- (7) It leaves the soil in fine physical condition for the fall planting of grain or other winter crop.
- (8) It produces an abundance of highly nutritious pods and leaves in a few months.
- (9) It may be made into hay or ensilage, or pastured; the seeds may be used for stock feed or human consumption.

Plant 40 lbs. per acre any time from April 1 until September 1. Per lb., 20c; 10 lbs., \$1.50. Write for quantity price.

BRABHAM COW PEA

It has only recently been determined definitely that the Brabham is resistant to nematode. This discovery places the Brabham foremost as a desirable summer crop for green manuring. Few districts are free from nematode and while other crops nurse it, thus spreading it over wider territory, the Brabham will discourage its development and if repeatedly planted may eradicate it from the field in which the Brabham is grown.

Under the light of the discovery that the Brabham pea is resistant to the nematode, to plant it would seem the wiser thing to do. Sow 40 lbs. per acre. Per lb., 20c; 10 lbs., \$1.50. Write for quantity price.

NEW IMPROVED SEMESAN JR.

This modified form of the patent product, Semesan, is exclusively a dust disinfectant used principally for the ear, root and stalk roots of Sweet Corn. It is also used for the treatment of cereal infections. Under Government-conducted field tests, new improved Semesan Jr. increased the crop yield from diseased field corn seeds by approximately 20 bushels to the acre and from similarly diseased sweet corn by as much as 47.7% with an average of practically 12%.

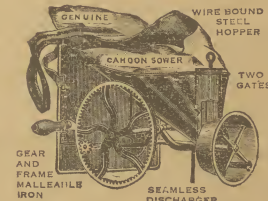
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THE CYCLONE SEED SOWER

A machine which should be on every farm. It is light, strong and durable, and with ordinary care will last a lifetime. It will sow clover, corn, and grass seeds and fertilizers of all kinds perfectly even, and any desired quantity per acre by following the simple directions on every machine. Price \$2.50. Weight 5 lbs.



CAHOON SEED SOWER



Will sow all kinds of grass and grain seeds from 4 to 8 acres per hour at a common walking gait. Heavy seeds, of course, will not be thrown so far. Weight 8 lbs. Price \$5.00.

CHILEAN ALFALFA

PRICES SUBJECT TO CHANGE

Knox's Quality Chilean Alfalfa represents the highest quality of seed that is possible to obtain. Fields from which this seed is harvested are carefully gone over to be sure there are no noxious weeds in the field.

Only seed that is grown in the northern half of the State is allowed to go into this brand. No cheap southern seed is blended with it, and the tag so plainly is sewed to every bag. When you buy Knox's Quality Brand you know you are getting the very best quality of the crop. Lb., 36c; 10 lbs., \$2.50. Write for price and sample on larger quantities.

SELECTED CHILEAN

This is a brand of seed equal in purity and germination to any on the market, but is blended with southern-grown seed. Lb., 28c; 10 lbs., \$2.30. Write for price and sample on larger quantities.

HAIRY PERUVIAN

This variety enjoyed great popularity a few years ago. The stems are coarser than the Chilean, but it usually produces one more cutting. Lb., 36c; 10 lbs., \$2.50. Write for prices on larger quantities.

PARAMOUNT BRAND

EXTRA FANCY CHILEAN—Our very finest grade of Chilean Alfalfa Seed—truly The Peak of Perfection—extra fancy in every respect, with a purity of 99.50 or better and germination of 90 per cent or better. Lb., 36c; 10 lbs., \$2.50.

STANDARD BRAND

FANCY CHILEAN—Seed packed under this brand is a fancy grade with a good appearance and a purity of 99.50 or better and germination of 90 per cent or better. Lb., 36c; 10 lbs., \$2.50.

TRU-VALUE BRAND

CHILEAN—All that the name implies. Packed for those desiring a choice grade of seed at a saving. Purity always 99.50 or better and germination 90 per cent or better. Not a cheap off-grade seed. Lb., 28c; 10 lbs., \$2.30.

Clovers

LADINO CLOVER

THE NEW PASTURE CROP

Probably you have been hearing or reading a lot lately about Ladino Clover. Although it is a comparatively new arrival on the Pacific slope, it is already very popular as a dairy pasture crop, particularly in California and Oregon.

ADVANTAGES OF LADINO CLOVER

Ladino Clover is an ideal dairy pasture crop just as alfalfa is an ideal dairy hay crop. It will grow in any soil on land that is not too good for alfalfa. By that I mean it is an ideal crop to raise on shallow soil, on soil where there is a high water level or where alkali is present.

It continues to flourish even when pastured at the rate of four cows per acre during the growing season. Very glowing reports have been received from various sections telling how Ladino has turned unprofitable fields into highly productive grazing pastures.

THE PLANT

The Ladino Clover plant is very similar in appearance to ordinary White Dutch clover, but it grows much more rapidly and becomes much larger. Its roots are comparatively shallow. They branch at the crown, just above the ground, and send out runners in all directions for three or four feet. These runners branch and take root, every few inches, at the nodes.

The stems, which lie close to the ground, are held by the hard roots and are not pulled or eaten when the stock while pasturing. The ends of the stems, which grow as high as two feet, are not injured by pasturing or cutting.

WHEN TO PLANT LADINO

Seemingly the best time for seeding Ladino are August, September, October, November, February, March, April and May. Land should be prepared the same as for alfalfa seed. Deep plowing is not necessary. If the land has been in beans or any other crop, it may be simply disced and harrowed, so that a shallow seed bed will be made. You need sow only four to six pounds of seed the acre. This makes Ladino a very economical crop to plant.

IRRIGATING LADINO

Although Ladino is not a particularly dry or "thirsty" plant, but is rather a hardy "rustler" capable of standing the hardest pasturing. It is necessary to keep the soil moist in order to get a satisfactory stand. This is especially true in soil containing alkali, which must be kept well watered.

SUGGESTED GRASS MIXTURE WITH LADINO

A number of farmers have reported very good results from planting Ladino with the grass seeds. Such a mixture reduces the possibility of bloating. They have found the following mixture very satisfactory:

Ladino Clover	3 lbs.
English Ryegrass	6 lbs.
Orchard Grass	1 lb.
Meadow Fescue	2 lbs.

THE VALUE OF GOOD SEED

Ladino Clover is the best seed that is possible to obtain. It is impossible even for experts to tell them apart. The buyer of Ladino should make sure he is getting his seed from a thoroughly trustworthy source.

We sell only Certified Ladino Clover seed. Take no chances, and be sure you are getting genuine Ladino Clover. Buying in large quantities direct from the producer, we are able to offer Certified seed at the following prices: (Subject to change without notice.) Per lb., 36c; 10 lbs. or over at \$2.50 per lb.

MEILOLOTUS ALBA

Melilotus Alba Clover is the only real rival to alfalfa. Melilotus Alba has for the past few years been recognized as one of the leading summer cover crops, especially in orange and lemon groves, but today hundreds of tons of Melilotus Alba seed are being grown in California as a general crop. The large beet sugar companies of the State are using it to reclaim their alkali soils so as to put the land in shape for further plantings of sugar beets. Melilotus Alba, White Blossom Sweet Clover, is a biennial and therefore lives only two years and then dies. During this time it develops a tremendous tap root which penetrates the very hard soil. It stands excessive moisture and also extreme drought. The flowers of the plant furnish excellent food for bees and the plant itself furnishes excellent pasturage for all kinds of live stock. A great many of the large ranches are planting this clover to build up their land, and as it makes several crops through both winter and summer, during the two years of its growth, thousands of head of stock are being pastured on it during this time. It will grow on any kind of soil, from light sandy soil to heavy clay soil, and when once established requires no further care. In fact, in some of the foothill sections of California the plant grows wild, re-seeding itself every two years and depending entirely on the seed remaining in its growth. In California the seed is generally sown in the fall of the year for the first cuttings using on an average of 20 pounds of seed per acre. The seed can be sown with a nurse crop of grain or alone. The seed should be covered very lightly in a well prepared seed bed for best results. Prices: Per lb., 25c; 10 lbs., \$2.00. Write for prices in larger quantities.

ALSIKE (Trifolium Hybridum)

Very hardy, adapted for sowing on cold, wet land. Planted at rate of 8 to 15 pounds per acre. It yields a large amount of hay or pasture and makes a good bee plant. Price per pound 45c; 10 lbs., \$4.00.

RED CLOVER (Trifolium Pratense)

Furnishes an excellent feed for pasture or hay purposes and is used to a very great extent throughout the country on lands unsuited to the growing of Alfalfa, and also in crop rotations. It will withstand colder temperatures than most varieties of Alfalfa and also will thrive on slightly wet lands. We therefore recommend its use in the higher altitudes and colder sections. Plant 15 pounds to the acre. Price per pound 40c; 10 lbs., \$3.50, postpaid.

BURR CLOVER

Strongly resembles Alfalfa. It is a great nitrogen-gatherer. Valuable as a green fertilizer and thrives in shade. Also used on hill lands with other clover or grasses for pasturage. Our seed is carefully hulled and thoroughly cleaned. Plant at the rate of 15 pounds per acre. Price per pound 30c; 10 lbs., \$2.50.

Miscellaneous Grasses

HARDING GRASS

This is an excellent pasture grass and it will withstand much hard usage and heavy tramping of stock. It is a perennial grass, originally coming from Africa, and will furnish an excellent feed for years but can easily be eradicated if desired. The growth is tender and sweet and will furnish grass all winter, except in severe snow storms or hard freezing. Under good conditions this grass will pasture one cow per acre per year. Tests have shown this grass to equal Alfalfa in feed. It may be cut, it never bleats. Plant in the early spring at the rate of 2 to 4 lbs. per acre. Price per lb. \$1.45.

ITALIAN RYE

(Lolium Italicum). A quick-growing grass attaining a height of 2 1/2 to 4 feet; very desirable for temporary meadows or pastures. Thrives best on soils that are slightly moist, and will even stand considerable overflow. Grows easily and supplies an abundance of the best and sweetest hay imaginable. Sow 40 pounds per acre. Price per lb. 25c; 10 lbs., \$2.00.

AUSTRALIAN RYE GRASS

(Lolium Perenne). A strong growing, hardy perennial grass, noted for its nutritive qualities. Is equally valuable for both grain and hay. Plant 40 pounds per acre. Price per lb. 25c; 10 lbs., \$2.00.

DOMESTIC RYE GRASS

Yields three or four cuttings a year of most nutritious hay; a very valuable grass, particularly adapted for rich, loamy soils or low grounds; does better in damp situations than most grasses. Recommended principally for fall seeding. Sow 50 lbs. per acre. Lb. 15c; 10 lbs., \$1.25.

DALLAS GRASS

(Paspalum Dilatatum). This is one of the best pasture grasses for it not only furnishes a highly relished stock feed, but it is very hardy and will withstand a great variety of conditions. It grows on the poor as well as the rich soils and it will not die out under conditions of drought as readily as most other pastures become available. It is also adaptable for growth in swampy lands and supplies thick matted roots that will support cattle on soft ground. It is a vigorous grower and will take root amongst and choke out weeds. Plant 10 lbs. to the acre. Price per pound, 70c; 10 lbs., \$6.30.

PACEY'S RYE GRASS

Valuable as a green forage plant for growing on lands not easily cultivated. Yields three cuttings a year at the rate of 40 lbs. per acre. Price per lb. 25c; 10 lbs., \$2.25.

RHODES GRASS

(Chloris Cayana). This grass was first cultivated because of its pasture value. It is a very hardy grass, recovering quickly after it is eaten down; and is relished by all kinds of live stock. In favorable locations Rhodes Grass will support two steers to the acre nine or ten months out of the year, and in the more favorable parts of the year it will support double that number. It grows very thickly, producing from 5 to 10 tons of fine quality hay per acre. The hay contains a very large proportion of leaves while the stems are slender, tender and sweet so that the hay is eaten with very little waste. Broadcast 12 lbs. of seed per acre. Price per lb. 70c; 10 lbs., \$6.50.

TIMOTHY

(Phleum Pratense). This is the most valuable of all grasses for hay. Thrives best on moist, loamy soil. Sow early in the spring or fall, sow 15 to 20 pounds per acre. Price per lb. 35c; 10 lbs., \$3.00.

REED CANARY GRASS

Is one perennial grass that will thrive in marshy places, stand under water for weeks without injury, yield enormous tonnage of hay with a feed value equal to wheat bran. Until seed is more plentiful we suggest to seed alone after the land has been worked and weeds killed off, using four to six pounds of seed per acre. Sow on June 20th. Make your low land grow profitable crops. Lb. \$1.00; 10 lbs., \$9.00.

MEADOW FESCUE

(FESTUCA PRATENSIS). This is a very valuable species for permanent grass lands and is relished by live stock both in hay and pasture. Sow 15 to 20 pounds per acre on well prepared soil. Price per lb. 40c; 10 lbs., \$3.50.

AWNLESS BROME GRASS

(BROMUS INERMIS). Is unexcelled as a pasture grass under conditions of drought as it will withstand drought that will kill all other grasses. Plant 20 pounds to the acre. Price per lb. 55c; 10 lbs., \$5.00.

BERMUDA GRASS

(CYNODON DACTYLON). This grass will stand the hottest and driest weather. Also it does well in any soil that is not too wet, and recovers quickly when grazed down. It is a very vigorous grower and is practically impossible to eradicate when once established. Sow on well prepared seed bed keeping the surface of the soil moist until the seed has germinated. Plant only in hot weather as seed will not germinate in cool temperatures. Price per lb. 85c; 10 lbs., \$4.50.

CRESTED WHEAT GRASS

From its characters and adaptations it is the most promising grass now available for pasture in the arid portions of our state and when cut at the proper stage the hay is of excellent quality. Like other crops, best yields are usually obtained on the best soil. It is a perennial grass and it does well on sandy areas in the Northwest. We anticipate the seed will be much lower in price in a few years, as it is a heavy seed producer. Try it out on your soil in limited way, sowing 10 to 15 lbs. per acre, seeded in rows 6 inches apart with grain drill. Market Price.

ORCHARD

COCKSFOOT (Dactylis glomerata). This grass does well sown either with or without other grasses. It is frequently sown in such pasture mixtures as white clover, red clover and rye grass. If sown alone, 25 or 30 lbs. of the Cocksfoot will insure a good stand of grass. Per lb. 35c; 10 lbs., \$3.00.

MAIL ORDERS PROMPTLY FILLED

LADINO CLOVER MAKES AN IDEAL PASTURE—TRY A PATCH THIS YEAR

Forage Sorghums

SUDAN GRASS

Is the most drought resisting annual ever introduced. Since its introduction in 1915 its popularity has increased regularly and it has now come to stay. It grows on a wide range of soils from sand to clay, and produces from four to six cuttings of highly nutritious hay per acre. As a pasture crop it is unexcelled, and succeeds where others fail. Sow 15 to 20 lbs. of seed per acre in the early spring after all danger of frost is past, and you will be assured of a supply of forage until late fall. Market Price.

EARLY AMBER

Furnishes a large field of most nutritive forage which can be fed either green or cured, and will yield two or three cuttings a year, standing out thicker each time it is cut. It grows 10 to 12 feet high. Sow broadcast for forage at the rate of 5 pounds per acre in drills three and a half to the rate of 10 pounds per acre in drills three and a half to four feet apart. Per lb. 15c; 10 lbs., \$1.00.

HONEY SORGHUM

Is the prize variety without a doubt. We have seen it growing in Imperial Valley, San Diego County, San Joaquin Valley, and in the vicinity of Los Angeles. All growers every year are loud in its praise. Honey Sorghum is a selection from one of the earliest introductions, and has been regarded with special favor for ensilage and for syrup purposes. It is the best variety for silage purposes, having slender leafy stalks, varying in height from 8 to 12 feet. It is medium late maturing and has decidedly tender stalks, and is important as a forage standpoint. Imagine an average of twenty-seven tons or over per acre. The method of seeding will be determined largely by the purpose for which it is grown. When the crop is to be used for forage or silage, it is usually planted in rows 3 to 3 1/2 feet apart, using up to 5 pounds of seed per acre. Price per lb. 15c; 10 lbs., \$1.00. Write for special prices in larger quantities.

HASTINGS SORGHUM

A new variety producing a greater tonnage with leafy stalks. Lb. 15c; 10 lbs., \$1.00.

Grain Sorghums

SELECTED DWARF MILO MAIZE

Since the cost per acre of Milo Maize Seed is very small it certainly pays to secure the best seed obtainable. Where the soil is properly prepared it requires but 3 to 4 lbs. per acre, therefore, the cost of seed would be but a few cents, hence Milo Maize Seed should be considered entirely from the quality standpoint. Field of grain per acre, but if you cannot afford to experiment on strains that are being grown by inexperienced growers. Being of uniform height it may be harvested by machinery, but if harvested by hand, the large heads reduce the cost of harvesting. It grows to a height of about 4 feet, is of stolid habit, and individual hills of 5 to 7 stalks in each producing a large compact head are not uncommon throughout the field. We have had reported yields of two tons of threshed maize per acre and where the soil and climatic conditions are favorable we feel that this is a very conservative estimate. Very often there is a temptation among farmers and others to save their own seed of Milo Maize or to plant seed that has been produced in their own district, but since it is very easily crossed with other sorghums this is a bad practice and we advise against it. We produce Milo Maize in isolated districts where there are no other sorghum crops grown near and by hill and head selection each year, the strain is kept uniform and true. Considering again that it requires but a few cents per acre to 2 1/2 to 3 1/2 bushels of Milo Maize Seed there appears to be no good reason why the planter should experiment with untried strains. If you are going to plant Maize, let us send you a sample of our seed and quote prices on quantity. Lb., 10c; 10 lbs., 85c. Write for quantity prices.

DOUBLE DWARF MILO MAIZE

This variety of red milo maize is very dwarf, growing only 2 to 2 1/2 feet high and has been developed especially for convenience and economy in harvesting. It can be cut and harvested by machinery in the same manner as heading grain. Very profitable crop to grow, the average yield being two tons per acre. Sow at the rate of 4 to 5 lbs. per acre from April until middle of June. Lb. 10c; 10 lbs., 85c. Write for quantity price.

WHITE MILO MAIZE

Grows same as Dwarf Red Milo and the kernels are almost pure white. Lb. 10c; 10 lbs., 85c.

EGYPTIAN CORN

This is also one of the drought resisting non-saccharine crops. The grain is produced in large compact heads and the seed is flat and pure white. This seed is used very extensively as a chicken feed and also ground into flour which is used for edible purposes. Plant the same as Milo Maize. Price per lb. 10c; 10 lbs., 85c.

FETERITA

This sorghum was secured from Sudan, where it is commonly grown under the name of Feterita; an early maturing and valued both for grain and for silage. It resembles Milo in habit, except that the heads are uniformly erect, seeds bluish white in color. In drought resistance it comes favorably with any other seed of quite price. Sow 6 pounds to the acre. Price per lb. 15c; 10 lbs., \$1.00.

(Continued on Page 18)

SPRAYING ACME MATERIALS

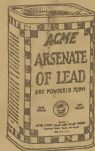
ACME PARIS GREEN



Scientifically made from finest raw materials, producing a Paris Green outstanding in color, strength and physical properties. Contains about 55% arsenious oxide (more than federal requirements). Free running—will not clog a duster.

1-Lb., non-sifting carton.....45c
5-Lb., non-sifting carton.....\$2.00
14-Lb., metal case.....\$5.25

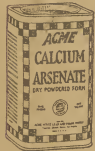
ACME ARSENATE OF LEAD (LEAD-A-NATE)



For fruit tree spraying and protection of gardens and ornamentals from chewing insects. A very effective stomach insecticide because it sticks well to the foliage and does not cause any burning.

1 lb. Carton.....30c
4-lb. Carton.....65c

ACME CALCIUM ARSENATE



Used in dusting cotton to control boll weevil and is popular for use in spraying potatoes because of economy of cost. Extremely light and fluffy, insuring even distribution when dusted and effective results when used as a liquid spray.

1-Lb. Carton.....30c
4-Lb. Paper Bag.....60c

ACME SPRAY SOAP



Use alone or with other insecticides such as Nicotine Sulphate to increase the efficiency of the spray. Recommended for washing trees and plants inside. Contains only 3% moisture as compared to 50 or 60 per cent water of most other brands.

1-Lb. Square metal can.....30c
5-Lb. Square metal can.....\$1.25

ACME AHPIS SPRAY



Combines two of the oldest and finest contact sprays—Black Leaf 40 and Fish Oil Soap—all in one. Packaged in convenient 3-oz. tubes for home use and larger commercial sizes. A tube contains 1 oz. Black Leaf 40 and 2 oz. of Soap—at the same price as Black Leaf 40 alone. No messy mixing necessary.

Per Tube.....35c

SWIFT'S DESTRUXOL



A combination contact and fumigant, composed of cyanide, nicotine, vegetable and organic oils. Also in its combination it creates a percentage of sodium carbonate and sodium sulphate. Combats insect life on fruit, vegetables and flowers and controls mildew, rust and blight without doing injury to plant life.

1 Oz.....40c
2 Oz.....65c
4 Oz.....90c
1 Qt.....\$3.75

SWIFT'S SUPER

DESTRUXOL EMULSION

Swift's Super Destruxol Emulsion has a combination of the best proven insecticides, mineral oils, organic oils, vegetable oils, nicotine and ammonia. It destroys by contact as well as by suffocation. Retains its insecticidal values over an indefinite period without harming trees, blooms, foliage or fruit. Controls scale, red spider, mealybug and aphids.

4 Oz.....35c 1 Qt.....55c Gal.....\$1.80

SWIFT'S FUNGUS OIL EMULSION

Combines vegetable, organic and mineral oils, nicotine, coppers, chlorides and other beneficial chemicals into a perfect spray to control insects and fungus diseases effectively by contact and penetration. Valuable to vegetable growers and flowers in controlling mildew, aphids, thrip and other fungus diseases. Controls brown rot, leaf curl, scab, shot-hole fungus and rust on deciduous trees and walnut blight.

4 Oz.....40c 1 Pt.....90c 1/2 Gal.....\$2.35
1/2 Pt.....60c 1 Qt.....\$1.50 Gal.....\$3.75

NEW EVER GREEN SPRAY

The new improved Evergreen Spray solves nearly all problems of insect control in your garden. Kills plant lice (aphids), leaf rollers and hoppers, rose and aster beetles, cutworms, caterpillars and other hardy insects of both the sucking and chewing tribe. Very valuable in killing ants.

1 Oz.....35c 6 Oz.....\$1 16 Oz.....\$2

SPRAY GLOVES

CANVAS GLOVES

Pair.....90c

RUBBER GLOVES

Pair.....\$1.25 and \$1.50

ACME ALL-ROUND SPRAY



All-round spray solves your spraying problem. It contains arsenate of lead for leaf-eating insects (worms, beetles), Black Leaf 40 for sucking insects (aphids, thrips) and Bordeaux Mixture to prevent blight and fungus diseases.

1/4-Lb. Metal carton.....25c
1-Lb. Metal carton.....50c

ACME BORDEAUX MIXTURE



Contains equal parts lime and copper sulphate. Prevents large losses caused by blight, rot, mildew, scab and certain other fungus diseases. Stimulates growth and increases crops.

1-Lb. Carton.....30c
4-Lb. Bag.....60c

ACME LIME SULPHUR



A standard 33° Baume lime and sulphur solution converted into dry powdered form and having all the effectiveness of the liquid product when dissolved in water. Use for spraying fruit trees in control of scale. Also officially approved for dipping sheep, hogs, cattle and horses.

1-Lb. Metal can.....35c
5-Lb. Metal Can.....\$1.25
10-Lb. Metal Can.....\$2.25

ACME M-S-R DUSTING SULPHUR



Dusting Sulphur is recommended by Department of Agriculture bulletins, State bulletins, garden magazines and newspapers for the control of black spot, mildew on roses and many other plant diseases. Not just an ordinary dusting sulphur. It contains bentonite to keep it from lumping and balling, assuring maximum results.

3-Lb. Carton.....30c

ACME ANT-KILL

Rids the home and premises of the ant nuisance by killing the entire colony in the nest. The patented service cup with its anchoring device is a decided improvement over any other feeder now commonly used.

Cottage Sets, ea.....60c
Service Cups, ea.....10c
2-Oz. Bottle, ea.....20c
3-Oz. Bottle, ea.....25c



ORTHO POISONS for every PEST

GARDEN VOLCK SPRAY



The complete contact spray containing Volck, nicotine (spray and penetrant), used for control of all sucking insects. The best all-around spray used by home gardeners. Controls aphids, thrips, mealybug, scale, white fly, red spider, cyclamen mite, etc. Also effective against small worms, certain beetles and rose mildew.

3 1/2 Oz.....35c
Pt.....\$1.00
Qt.....\$1.50
Gal.....\$3.00

NURSERY VOLCK

The Improved VOLCK OIL SPRAY EMULSION for nursery, park and home garden trade. Long recognized as the best spray for mealybug, red spider, scale, white fly and rose mildew.

1/4 Pt.....35c
Pt.....50c
Qt.....75c
Gal.....\$2.90
5 Gal.....\$5.69
14-Gal. Drum.....\$7.70

GARDEN LEAD ARSENATE

A stomach poison for beetles, caterpillars and worms.

1-Lb. Carton.....30c

GARDEN CALCIUM ARSENATE

A strong stomach poison for snails, cutworms and grasshoppers.

1-Lb. Carton.....25c
3-Lb. Carton.....50c

GARDEN BUG-GO

A specially prepared bait for snails, slugs, sow bugs, pill bugs, crickets, grasshoppers, cutworms, army worms, etc.

1-Lb. Carton.....20c
3-Lb. Carton.....50c
15-Lb. Cloth Sack.....\$1.95

GARDEN LIME-SULPHUR

A Fungicide-Insecticide for fungus diseases, scale, red spider, etc.

1-Lb. Tin.....35c
5-Lb. Tin.....\$1.45

WEED KILLER

The Arsenical Weed Killer. Also effective in making poison baits for grasshoppers and cutworms.

1 Qt.....65c
1 Gal.....\$1.75

SAVE THIS CATALOG

SPRAY REGULARLY—ASK FOR A COPY OF OUR COMPLETE SPRAY GUIDE

CYANOGAS UNIVERSAL PEST DESTROYER

CYANOGAS A-DUST



A fine powder; the general purpose grade. Use in soil to kill rodents such as ants, rats, groundhogs, moles, gophers, ground squirrels, etc. Also effective for destroying wild bees, wasps, yellowjackets, etc.

1 Lb.....75c 25 Lbs.....\$8.50
5 Lbs.....\$2.50 100 Lbs.....\$20.00

CYANOGAS GRANULAR

For fumigating the soil by drilling in with garden drill, corn drill or bean planter or by spading in soil to control wireworms, nematodes, etc.

1 Lb.....75c 25 Lbs.....\$8.50
5 Lbs.....\$2.50 100 Lbs.....\$20.00



KILLS INSECTS

Nicotine Sulphate—40° Nicotine
This is the insecticide that is so highly recommended by Experiment Stations. It destroys aphids (plant lice), thrips, leaf-hoppers on all trees, bush and vine fruits, vegetables, field crops, flowers and shrubs; also apple red bug, pear psylla and similar soft-bodied sucking insects—all without injury to foliage. May be combined with other sprays. Highly concentrated. Soluble in water—easy to mix—does not clog nozzles. You cannot go wrong by ordering "Black Leaf 40" for sucking insects.

(Also kills poultry lice.)
1 Oz.....35c 2 Lbs.....\$3.35
5 Oz.....\$1.00 5 Lbs.....\$5.85
1 Lb.....\$2.25 10 Lbs.....\$9.85



Inoculates sweet peas, garden peas, beans, vetch, alfalfa and all clover seeds.

Garden size pkg.....25c
Inoculates from 1 oz. to 3 lbs. of seed.

DUPONT SEMESAN

For Controlling Damping Off and for Soil Disinfection



Semesan—a general disinfectant for flower and vegetable seeds. Use either dust or liquid application. Prevents and controls damping-off of plants.

2 Oz.....50c 1 lb.....\$2.50
5 Lbs.....\$11.75

SEMESAN BEL

A premier disinfectant for seed potatoes, bulbs, roots and tubers. Controls common potato diseases such as scab, scurf, rhizoctonia, black rot, black leg, etc.

4 Oz.....50c 1 lb.....\$1.75
5 Lbs.....\$8.00



NEW IMPROVED SEMESAN JR.

This sensational disinfectant controls corn diseases and increases the yield. Helps stop ear, root and stalk rots of field and sweet corn. Easy to use.

4-oz. Tin.....50c 1 lb.....\$1.50
5 lbs.....\$7.00

NEW IMPROVED CERESAN

A new, improved, low cost dust disinfectant for controlling certain diseases of wheat, oats, barley, sorghum, rye.

4-Oz. Tin.....50c 1 lb.....\$1.50
5 Lbs.....\$7.00



Tree Seal is endorsed by the California State Agricultural College. Use for trees and shrubs.

Pint.....30c
Quart.....50c
Gallon.....\$1.50
5 Gallons.....\$6.00

GRAFTING WAX

Use for healing wounds as well as for grafting.

1/4-lb.....20c 1 lb.....50c
1/2-lb.....35c 5 lbs.....\$1.50

RUBBER BUDDING TAPE, per lb.....\$1.75

